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U. S. DEPARTMENT OF AGRICULTURE
JAN 16 1937
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1937

Hallawell Seed Company

STORE: 256-258 MARKET STREET, SAN FRANCISCO, CALIFORNIA

Warehouse: 30 Davis Street

Store Phone SUTter 8981

Nursery: Quintara St. and 23d Ave., Sunset District

Nursery Phone MOntrose 7043

GENERAL DIRECTIONS TO CUSTOMERS

Remittances should be in the form of money order or bank draft—never in currency, as there is the hazard of loss.

We pay postage on flower seeds anywhere in the United States or possessions; also on vegetable and grass seeds priced at 50c per pound or more. Special prices will be quoted on larger quantities than listed, which will not include free transportation. Nursery Stock, bulbs, fertilizers, insecticides, and supplies are not prepaid except as specifically stated.

Please give the names of express and freight offices where they differ from the postoffice.

IMPORTANT

Useful planting information will be found on pages 35 to 37 inclusive, and spraying information on pages 90 and 91. A complete index is on page 96 and the inside back cover. Practically every requisite for the modern garden is to be found in the pages of this conveniently arranged Garden Book.

PRICES

All prices in this catalog cancel previous quotations and are subject to change in the event of unforeseen circumstances. If your requirements are for larger quantities than listed, please give us the opportunity of quoting.

PARCEL POST RATES (Approximate) from San Francisco

Zone	Distance	1st Pound	Each additional pound
1st	Within 50 Miles	\$0.08	1c
2nd	50-150 "	.08	1c
3rd	150-300 "	.09	1c
4th	300-600 "	.10	1c
5th	600-1000 "	.11	1c
6th	1000-1400 "	.12	1c
7th	1400-1800 "	.14	9c
8th	Over 1800 "	.15	1c

(The 8th zone includes U. S. Possessions)

FOREIGN PARCEL POST

For the convenience of customers in other countries we pay regular postage on flower seeds, and on vegetable and grass seeds priced at 50c per pound or more; but extra transportation charges if any are to be included in the customer's remittance. For "not prepaid" items please include postage at the prevailing rate, or add 25 per cent to the value of the article involved and an accounting will be given of the amount due or to be refunded as the case may be.

Customers residing in countries requiring Horticultural Certificates or Consular Invoices, please include 5c for each document on orders amounting to less than \$5.00.

HOW TO RAISE FLOWERS SUCCESSFULLY FROM SEED

Tender, or Greenhouse, means the plant will not stand the least frost. All such must be planted out late in spring (May) or in a greenhouse.

Half Hardy means the plant will stand any light frost, but needs protection against very cold weather. These should be planted out in the spring (March and April), not in the fall.

Hardy means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (September to May). If sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

Annuals are plants that bloom the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (February to June), and most hardy annuals may be sown either in fall or spring (September to May).

Biennials are plants that bloom the second year from seed, and the plant dies after the second year. In California some of these will bloom the first year if sown early. Sow under the same conditions as perennials.

Perennials are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February and March), many perennials will bloom the first year from seed. Perennials are best sown in the summer and early fall (May to September) for next year's flowers.

NON-WARRANTY—While the greatest care is exercised to have all seeds and plants of good quality and true to name, the Hallawell Seed Company gives no warranty, express or implied, as to the description, purity, productiveness, or any other matter of any seeds, bulbs, or plants they send out, and will be in no way responsible for the crop.

Cultural Directions—It is better in most instances to start the seed in shallow boxes, about 3 inches in depth, above sandy soil with peat or leaf mold so that it will not bake, and the boxes in a warm sheltered place, but protect from direct sunlight, as the seed is liable to be scorched up. When the plants have made the fourth leaf they should be pricked out, reset in another box and when well started they should be transplanted into the garden. When the seedlings are first set out, they should be shaded for a few days, and watered frequently.

Seeds of the hardier annuals may be sown where they are to grow, but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better.

If the seed is to be sown directly in the garden, it should be done after the soil is well worked and fertilized. Sow lightly and always press the soil down firmly after sowing, as there is a danger of them drying up before the roots can get a firm hold of the soil. After this has been done, cover with a very light coat of peat, sand or fine dry earth, the seedlings needing but a mere dusting to cover them. When the plants should be thinned sufficiently to prevent overcrowding. The removal of blossoms, as they commence to fade, is also essential, as otherwise the plants will soon cease bearing flowers.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not get if the ground is allowed to become hard and baked. Water often.



LAWN GRASSES

To Make a Lawn—Spade deeply, adding commercial fertilizer, sheep manure or other organic fertilizers which contain no weed seeds. Rake to the desired grade and water thoroughly to settle the soil evenly. If this preparation is made two weeks in advance of sowing, the surface weed seeds will have germinated and may be removed. Now rake for the final grade and broadcast the seed at the rate of one pound to 150 square feet, except where other quantities are suggested in the grass seed listings.

To prevent surface drying and crusting cover the seed with about $\frac{1}{4}$ inch of moistened Imported Peat. Sprinkle carefully, using a fine spray to prevent washing. Water thoroughly, but avoid applying too much in one place to form puddles, which may float the seed and mulch into low spots. Sprinkle daily until seed is germinated, and when the grass has grown about one or two inches, pull all weeds and mow. To maintain a deep velvety green turf apply a good commercial fertilizer three or four times a year.

For steep banks or slopes, burlap is sometimes used instead of mulch. It keeps the surface moist and prevents washing. Remove the burlap as soon as the seed germinates.

All of our grass seeds are the best grade. Please write for prices on larger quantities and quotations will be made promptly on the basis of the current market. Prices of grass seed fluctuate and quotations below are not guaranteed.

WE PAY POSTAGE anywhere within U. S. on items of grass seeds priced at 50c per pound or more. On other items refer to parcel post chart on inside front cover.

BENT, ASTORIA—This strain seldom produces stolons, but spreads from underground rootstalks and produces a splendid turf. Growth is upright, of fine texture and somewhat richer green than the Seaside Bent. It has a wider range of adaptability and succeeds best in heavy soils. Use one pound to 500 square feet. Certified seed. **Lb., \$1.75; 10 lbs., \$15.00.**

BENT, SEASIDE—Also often called Coos County Bent. This is a true Creeping Bent, stoloniferous in habit and when once established spreads rapidly and makes a strong enduring turf. Succeeds best in light soils. Use one pound to 500 square feet. Certified seed. **Lb., \$1.75; 10 lbs., \$15.00.**

CHEWING'S FESCUE—Produces a dense, lasting turf, succeeding well even under adverse conditions. It is used extensively in lawn and putting green mixtures. **Lb., 85c; 10 lbs., \$8.00.**

HALLAWELL'S EVERGREEN LAWN MIXTURE—A blend of several deep green, fine bladed grasses, producing a good thick turf and remaining green both winter and summer. It thrives in heavy or black soils. **Lb., 70c; 10 lbs., \$6.50.**

KENTUCKY BLUE GRASS—The most popular grass for lawns. It is a dark green and of dense growing habit, making a beautiful turf in a heavy or black soil. **Hallawell's Select Grade**—Specially re-cleaned. **Lb., 70c; 10 lbs., \$6.50.**

Standard Grade—Thoroughly re-cleaned seed. **Lb., 60c; 10 lbs., \$5.50.**

PACIFIC RYE GRASS (Pacey's Rye Grass, Imported)—This grass is similar to the Australian Rye Grass, but has a finer leaf and is longer lived. Use one pound to 100 square feet. **Lb., 40c; 10 lbs., \$3.50.**

PARK LAWN MIXTURE (formerly sold under the name of Golden Gate Lawn Mixture)—A blend of hardy, fine-bladed grasses to which is added a small amount of White Clover. It provides an excellent turf which will withstand hard usage. Sow one pound to 100 square feet. **Lb., 55c; 10 lbs., \$5.00.**

RED TOP GRASS—Gives a quick effect and succeeds on all soils, though doing best on moist soils. Should be in all lawn mixtures. **Lb., 60c; 10 lbs., \$5.50.**

ROUGH STALKED MEADOW GRASS (*Poa Trivialis*)—An ideal perennial shade grass which is closely related to Kentucky Blue Grass, but somewhat finer and softer. It has an apple-green color and is a creeper. Requires plenty of moisture. **Lb., 85c; 10 lbs., \$8.00.**

SHADY NOOK MIXTURE—A blend of suitable lawn grasses which thrive in the shade and under trees. **Lb., 85c; 10 lbs., \$8.00.**

WHITE CLOVER—Of dwarf habit with creeping stems, rooting at joints, on which account it makes an excellent turf that withstands abuse. Planted for a lawn either alone or in mixture with grass seed. Sow one pound to 300 square feet. **Lb., 75c; 10 lbs., \$7.00.**



Aster, Crego Giant



Calendula, Orange Sunshine



Columbine, Crimson Star

SPECIALTIES

Including Novelties, recent outstanding introductions, and other items of particular merit.

ASTER CREGO GIANT

(Wilt Resistant)

This is a very satisfactory variety for the garden due to its ability to resist the destructive Aster Wilt. Over 2 feet in height, it is well branched and of sturdy growth. The large fluffy flowers are splendid for cutting. Mixture of all colors. Pkt., 15c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 65c.

(Complete listing of Asters on page 5)

ASTER SUPER GIANT EL MONTE

A super giant form of the Crego type. The large crimson flowers with daintily interlaced petals are borne on heavy, non-lateral, base-branching stems. Although not wilt resistant, Super Giant El Monte can be highly recommended for planting in situations where asters have not been previously grown. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

ARCTOTIS GIANT HYBRIDS

An interesting annual from South Africa. The plants grow to a height of 12 inches, are very free-flowering, and the color range is exceedingly varied. The flowers, which resemble the Transvaal Daisy, are $2\frac{1}{2}$ to 3 inches in diameter, and are borne above the foliage on wiry stems. Pkt., 25c.

CALENDULA ORANGE SUNSHINE

A worthy companion to Calendula Sunshine (Chrysanthia), with the same form of flower and length of stem. The color is a clear orange which contrasts pleasingly with the yellow of its sister variety. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

CARNATION ENFANT DE NICE

The finest and most satisfactory annual Carnation. The flowers are $2\frac{1}{2}$ to 3 inches in diameter and the stems long and stiff. The separate colors (listed on page 9) come approximately 75 per cent true, and about 90 per cent of the plants produce double flowers. Mixture. Pkt., 25c; $\frac{1}{8}$ oz., 50c.

COLUMBINE CRIMSON STAR

A splendid addition to the Long Spurred Aquilegias. The petals are dark crimson in striking contrast to the white center corolla. Pkt., 25c.

COSMOS GIANT SENSATION

This recent introduction has proven highly successful and popular. The flowers are 4 to 5 inches in diameter. The plants grow to a height of about 4 feet and flower freely as early as 10 weeks from the time of sowing. The colors are in mixture containing white and shades of rose and pink. Pkt., 25c; $\frac{1}{4}$ oz., 85c.

DELPHINIUM WREXHAM

HOLLYHOCK STRAIN

A magnificent race of Delphinium, producing spire-like spikes of bloom with many new and beautiful shades, ranging from pale blue to deep indigo-blue and royal purple, with many intermediate pastel tones of mauve, pink, and lavender shadings. Very large flowers in both the single and double forms. A splendid strain for exhibition purposes. Pkt., 35c; $\frac{1}{8}$ oz., 75c.

(Wrexham separate shades and other Delphiniums listed on page 13)

LINARIA FAIRY BOUQUET

The plants of this new introduction are not more than 10 to 12 inches high; are very compact in habit and bear much larger flowers than the type in many distinct colors such as rose, yellow, pink, lavender, carmine, red, violet, white and salmon. They are not unlike dwarf Nemesis, but even more floriferous, and excellent either for bedding or for pots. Mixture. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

SPECIALTIES

NEW MARIGOLDS

CHRYSANTHEMUM FLOWERED HYBRIDS

Consisting of many new and distinct types varying in size of bloom from 2 to 4 inches in diameter, and in shades of orange and yellow. Some have petals which are quilled and incurved, while others have from 4 to 5 rows of imbricated flat petals with quilled florets in the center. The plants are about 3 feet high, supporting masses of flowers on fine stems for cutting. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

SUNSET GIANTS

The largest of all Marigolds, the flowers averaging 5 inches in diameter with some as large as 7 inches across. Loosely formed, full centered flowers with broad petals, produced on plants 3 to 4 feet high; each plant with 6 to 8 branches bearing 3 or more large flowers. These flowers are free of the characteristic Marigold odor. From 60 to 65 per cent of the plants of this strain will produce double, true-to-type flowers. Pkt., 25c.

HARMONY

Dwarf French Double variety. A very distinct and attractive type. The center of the flower is made up of tubular petals deep orange in color, while the outer petals are broader and dark maroon. The plants are about 1 foot high, and are very early and free-flowering. Pkt., 25c; $\frac{1}{4}$ oz., 50c.

DIXIE SUNSHINE

A new chrysanthemum-flowered type. The golden yellow flowers, which are 2 to 2½ inches in diameter and fully double, are in reality heads of tiny five-petalled florets. Being a late variety, it is recommended that the seed be started indoors early, and the plants set out immediately after danger of frost is past. Pkt., 25c; $\frac{1}{8}$ oz., 60c.

PETUNIA DAINTY LADY

Medium sized, daintily fringed flowers. The color is light yellow deepening to golden yellow at the throat. The plants are compact in habit, making the variety suitable for borders, bedding, or window boxes. Pkt., 35c.

PANSY GENEVA GIANTS

Perfectly round flowers which are gigantic in size. The colors vary in reddish maroon, bronze, blue, purple and yellow; frequently with new color combinations. Roggli's Original Strain. Pkt. of 225 seeds, 50c; pkt. of 400 seeds, 75c; $\frac{1}{32}$ oz., \$1.50.

PENTSTEMON MINIATURE HYBRIDS

A new hybrid variety producing small flowers in great profusion and in a good range of colors. Very graceful and good for cutting. 2½ to 3 feet high. Pkt., 20c; $\frac{1}{8}$ oz., 45c.

PHLOX GIANT ART SHADES

A new strain of annual Phlox with flowers from 1¼ to 1½ inches in diameter, in a wonderful range of soft and pleasing colors. Plants grow 9 inches to 1 foot high. Pkt., 25c; $\frac{1}{4}$ oz., 85c.

PRIMULA MALACOIDES SNOW QUEEN

The pure white flowers are much larger than the ordinary *Primula malacoides alba*. A very dainty subject for early pot specimens, or attractive for spring flowering in the open. Pkt., 35c.

RUDBECKIA KELVEDON STAR

An annual Rudbeckia growing to a height of about 3 feet. The flowers are deep golden yellow, with mahogany zone and dark brown central disc. Stems are long, making it suitable for cutting. Pkt., 25c; $\frac{1}{4}$ oz., 65c.



Marigold, Chrysanthemum Flowered



Marigold, Harmony



Petunia, Dainty Lady

SPECIALTIES

SCABIOSA ROSETTE

A glorious new color in Annual Scabiosa; beautiful deep rose suffused with salmon. The flowers are large and the stems long and stiff, making it a splendid variety for the garden as well as for cutting. Rosette is a worthy addition to the fine group of Scabiosas to be found listed on page 27. Pkt., 25c; $\frac{1}{8}$ oz., 75c.



Scabiosa, Rosette

SCHIZANTHUS PANSY FLOWERED

This new type of Schizanthus has already become very popular. The large, smooth-edged blooms are remarkably substantial, while the many rich self colors in shades of pink, crimson, mauve, purple, as well as white, are extremely bright and attractive. Mixture. Pkt., 35c; $\frac{1}{8}$ oz., 85c.

NEW SNAPDRAGON

SUPER MAJESTIC—RUST RESISTANT

These new Snapdragons, which grow to a height of 20 to 30 inches, are slightly taller than the intermediate type due to the increased length of the flower spike. Splendid for cut flowers as well as for bedding, they are also adaptable to greenhouse culture. Select Mixture. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

(A complete line of Rust Resistant Snapdragons is listed on page 28)



Snapdragon, Super Majestic

STOCK SUPER GIANT IMPERIAL

This new type is a distinct improvement over the Giant Imperial group. The plants are base branching, producing a dozen or more huge flower spikes. There are at present three named varieties: Rose Charm (deep rose), Rose-light (rose-pink), and Dark Blue. Each per pkt., 25c; $\frac{1}{8}$ oz., 85c.

THALICTRUM DIPTEROCARPUM

One of the finest perennials, and one which thrives in partial shade. The attractive foliage somewhat resembles that of Columbine. The dainty rosy purple flowers are brightened by conspicuous yellow stamens and are produced in graceful sprays from July until September. Height, 4 to 5 feet. Pkt., 25c; $\frac{1}{8}$ oz., 45c.

NEW VIOLAS

ARKWRIGHT RUBY

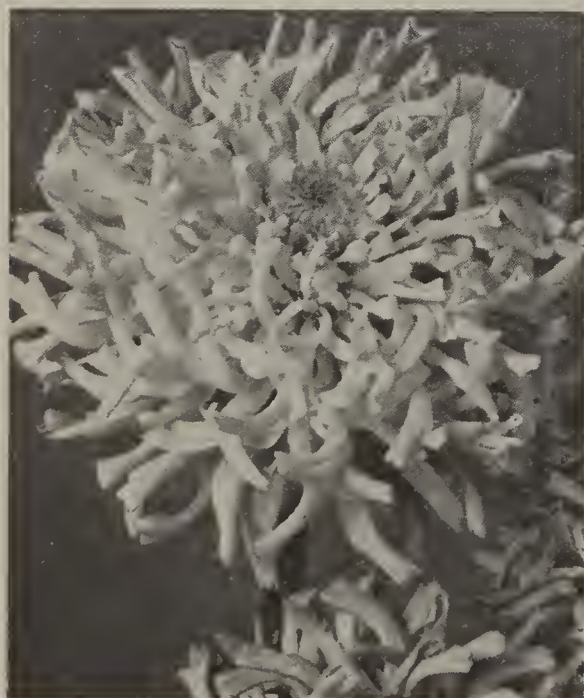
A valuable addition to this group of hardy perennial, free-flowering border plants. The color is dark crimson-scarlet with central markings. Pkt., 35c.

CHANTREYLAND

Pure apricot in color and very free-flowering. An improvement over the original Viola Apricot. Pkt., 25c; $\frac{1}{8}$ oz., 85c.

ZINNIA FANTASY

This new strain with rounded flowers is composed of a mass of shaggy ray-like petals which gives a delicate and refined appearance to the medium size double flowers. They lend themselves gracefully to flower arrangement. The color range includes the brightest shades of reds and orange as well as pastel pinks and cream. Pkt., 20c; $\frac{1}{4}$ oz., 60c.



Zinnia, Fantasy

ZINNIA HAAGEANA

MEXICANA OR MINIATURE ZINNIAS

Flowers are the size of a large Daisy, semi-double and double. The colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia and the Chrysanthemum. Extremely free flowering and pretty; 12 inches high. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

ASTERS

Asters are one of the most popular half hardy summer and fall flowering annuals; excellent for bedding and cutting. Sow the seed in boxes from February to June and transplant 1 foot apart each way when danger from frost is over.

CALIFORNIA GIANTS

A splendid new strain of branching habit, plants grow 3 to 3½ feet high with long strong stems 18 to 24 inches in length bearing beautifully formed curled interlaced flowers 5 inches and over across. **Deep Rose, Light Blue, Peach Blossom** (delicate pink), **Dark Purple, White**—Any of the above. Per pkt., 15c; ⅓ oz., 60c. Collection of one packet each of the above 5 sorts for 65c. Mixture of all colors. Pkt., 15c; ⅓ oz., 50c; ¼ oz., 35c.

CREGO GIANT (Wilt Resistant)

This fine variety grows over 2 feet tall and is well branched; of free sturdy growth. The fluffy, graceful flowers are rarely less than 4 inches across and frequently over 5 inches. Fine for cutting. **White, Shell Pink, Rose, Crimson, Light Blue, Purple**—Any of the above. Per pkt., 15c; ⅓ oz., 35c; ¼ oz., 65c. Collection of one packet each of the above 6 colors, 75c. Mixture of all colors. Pkt., 15c; ⅓ oz., 35c; ¼ oz., 65c.

EARLY ROYAL (Wilt Resistant)

An early large blooming type of Aster, coming into bloom in July or early August, with rounded double flowers carried on long stems. The plant grows 2 feet high and branches near the ground which insures long stems for cutting. **Deep Rose, White, Lavender, Shell Pink, Purple**—Any of the above. Per pkt., 15c; ¼ oz., 60c. Collection of one packet each of the above 5 colors, 65c. Mixture of all colors. Pkt., 10c; ⅓ oz., 30c; ¼ oz., 50c.

IMPROVED CALIFORNIA SUNSHINE

Plants of this new type grow 3 feet high and bear blossoms 5 and 6 inches across on long, stiff stems. The color in these new Asters is startlingly beautiful. The disc-like center is a lovely light yellow and the outer or ground petals are varying shades of pink, rose, blue and lavender. **Deep Rose, Enchantress Pink** (salmon-pink), **Light Blue, Purple, White**—Any of the above. Per pkt., 25c; ⅓ oz., 85c. Mixture of all colors. Pkt., 20c; ⅓ oz., 65c.

HEART OF FRANCE (Wilt Resistant)

The best of the red Asters, the color being a rich garnet. The plants are of free branching habit, growing 18 inches high and producing flowers about 3½ inches across. Pkt., 15c; ⅓ oz., 50c.

GOLDEN SHEAF

The deepest yellow Aster yet offered and the only yellow Aster that is wilt resistant. The flowers are fully double with an attractive crest-like center. 2 feet high. Pkt., 25c.

SUPER GIANT

EL MONTE—Crimson. (Complete description on page 2.) Pkt., 25c.

LOS ANGELES—Giant shell-pink flowers beautifully curled and interlaced, and carried on long strong stems. Pkt., 25c.

LATE BEAUTY (Wilt Resistant)

A comparatively new type of Aster which comes into bloom early in September and lasts until late in the fall. The straight petaled flowers are large and densely double and borne on long and stout stems from 18 to 24 inches. **Azure Fairy** (light blue), **Crimson Beauty, September Beauty** (delicate pink), **Purple Beauty, Rose Beauty, White Beauty**—Any of the above. Per pkt., 15c; ⅓ oz., 45c. Collection of one packet each of the above 6 sorts for 75c. Mixture of all colors. Pkt., 15c; ⅓ oz., 40c; ¼ oz., 75c.

POMPON

A pretty little Aster bearing a great profusion of dainty button-like flowers with quilled petals. Grows 12 to 15 inches high. **Rose, White, Blood Red, Light Blue, Violet**—Any of the above. Per pkt., 15c; ⅓ oz., 75c. Collection of one packet each of the above 5 sorts, 65c. Mixture of all colors. Pkt., 15c; ⅓ oz., 60c; ¼ oz., \$1.10.

SEMPLES or LATE BRANCHING (Wilt Resistant)

The plant grows 2 to 3 feet high and about 18 inches in width. The blossoms are large, full and straight petaled and are borne on long stems or branches. Comes into flower late in the autumn. **Azure Blue, Blood Red, Deep Rose, Purple, White, Shell-Pink**—Any of the above. Per pkt., 10c; ⅓ oz., 35c. Collection of one packet each of the above 6 colors, 50c. Mixture of all colors. Pkt., 10c; ⅓ oz., 35c; ¼ oz., 65c.

SINGLE or SOUTHCOTE BEAUTY

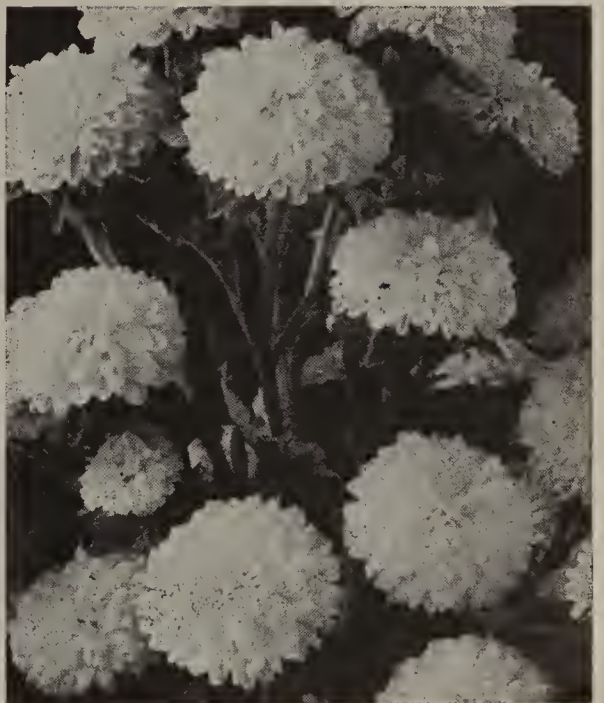
A distinct single type. Flowers are 2 to 3 inches in diameter with small yellow centers. Free blooming and fine for cutting. Set plants 15 inches apart. **Rose-Pink, White, Dark Blue, Light Blue, Scarlet**—Any of the above. Per pkt., 15c. Collection of one packet each of the above 5 sorts, 65c. Mixture of all colors. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.



Aster, Early Royal



Aster, Super Giant



Aster, Pompon

HALLAWELL'S FLOWER SEEDS

Selected strains of imported and California grown seeds

ABRONIA GRANDIFLORA

(Sand Verbena)

A hardy perennial trailing plant with numerous clusters of sweet scented rosy lilac flowers. Thrives in dry situations and rockeries. Peel off the husk and sow seed in the fall or early spring in the open. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ABUTILON

(Flowering Maple)

Beautiful shrubs with maple-like leaves and large bell-shaped flowers in various colors. Half hardy perennial. Sow the seed in boxes and transplant when well started, after danger of frost is over. Giant Hybrids, pkt., 25c.

ACHIMENES

Profuse blooming greenhouse plants valuable for pots or hanging baskets. The flowers vary considerably in size and are of the most brilliant colors. Finest Mixed, pkt., 50c.

ACROCLINIUM

A pretty annual "Everlasting," growing about 15 inches high, bearing lovely rosy pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Sow seed in the open in the fall or spring until June. Double Pink, pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

AGERATUM

(Floss Flower)

A half hardy annual of easy culture, especially adapted for borders and bedding, as it is literally covered with clusters of feathery blossoms all summer. Sow the seed early in spring, either in boxes to transplant or out of doors, and thin to 4 or 6 inches apart.

BLUE BALL—Deep blue, compact, ball-shaped plants 6 inches high, of uniform growth, bearing small flowers in great profusion for a long season. Pkt., 15c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.

BLUE PERFECTION—Deep blue, 1 foot high. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

IMPERIAL DWARF WHITE—Eight inches high; flowers white. Pkt., 10c; $\frac{1}{4}$ oz., 30c.



Ageratum

AGATHEA

(Blue Daisy)

COELESTIS—Sky blue flowers with yellow disc growing 1 foot tall. A half hardy perennial remaining in bloom all year round. Useful for window boxes. Sow the seed in boxes to transplant. Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.

AGROSTEMMA

(Rose of Heaven or Mullein Pink)

CORONARIA—An attractive free flowering hardy perennial of easy culture, producing glowing crimson flowers like a single Pink; has silvery-white foliage; 2 feet. Plant in the fall or early spring. Sow the seeds in boxes or outdoors. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

ALONSOA

(Mask Flower)

WARSCIEWICZI COMPACTA—A charming variety of compact habit with racemes of bright vermilion-scarlet flowers; a free flowering, half hardy annual which grows 1 foot tall and thrives best in a sunny situation. Sow the seed in boxes in early spring and transplant when danger from frost is over. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ALYSSUM

For borders, edgings, and rockwork, we recommend a liberal use of this dainty little flower. In borders, sow thickly so as to form masses, early in spring, or even the previous autumn. For winter bloom, sow late in August. Cut back after the first flowers fade, and others will come.

MARITIMUM (Sweet Alyssum)—Fragrant white flowers all summer. Hardy annual. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

MARITIMUM CARPET OF SNOW—Dwarf and a very dense grower; fine for edgings; very floriferous. Hardy annual. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.

LILAC QUEEN (Improved Type)—Flowers light lilac, well suited for bedding or ribbon bordering, the plants being erect and compact. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

SAXATILE COMPACTUM—(Gold Dust)—Single plants easily cover a square foot in a year, and produce many hundreds of bright yellow flowerheads. Grayish foliage. Hardy perennial. 1 foot. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SAXATILE SILVER QUEEN—Pale yellow, good compact habit; especially good for edging and rockeries; hardy perennial. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

AMARANTHUS

Remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background or as a center of beds. Seed may be sown in the open border, or in a hotbed; transplant about the first week in April. Produces the most attractive and brilliant foliage upon poor soil. Transplant to 20 inches. Half hardy annual.

CAUDATUS (Love Lies Bleeding)—Long drooping scarlet flowers. 3 feet. Pkt., 10c.

CRUENTUS—Tall spikes of red flowers. 3 feet. Pkt., 10c.

MOLTEN FIRE—Rich maroon foliage crowned with fiery crimson top leaves. Pkt., 15c; $\frac{1}{8}$ oz., 45c.

TRICOLOR SPLENDENS (Joseph's Coat)—Foliage scarlet, crimson, yellow, and bronze green. 2 feet. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

ANAGALLIS

(Pimpernel)

Lovely dwarf hardy annual plants, 6 inches high. Exceedingly effective as edgings, also useful in rockeries. Sow the seed in the fall or spring where it is to remain.

GRANDIFLORA BLUE—Pkt., 15c; $\frac{1}{4}$ oz., 35c.

GRANDIFLORA MIXED—Mauve, blue and scarlet shades. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

ANCHUSA

Hardy annuals and perennials producing brilliant blue, Forget-me-not-like flowers. Sow the seed of the annual sorts in the fall or early spring. The perennial sorts should be sown in the summer or early fall for next season's bloom.

BLUE BIRD—Flowers are a vivid indigo-blue. Plants are compact and of even habit; 18 inches high. Annual. **Pkt., 15c; ¼ oz., 30c.**

CAPENSIS (Cape Forget-me-not)—Azure blue flowers; grows 2 feet high and blooms all summer. Annual. **Pkt., 10c; ¼ oz., 25c.**

ITALICA LISSADELL—An improved form of the Dropmore variety, growing about 5 feet high with sprays of extra large, bright gentian blue flowers. Perennial. **Pkt., 15c; ¼ oz., 35c.**

ANEMONE

The flowers come in a great variety of colors. They bloom very early in spring and make a nice display when planted in a bed or border. The woolly seed should be rubbed with sand and the two may be sown together in the fall for next season's bloom; keep shaded until plants appear and when of suitable size thin to 6 inches apart.

CAEN or **GIANT SINGLE** (Monarch Strain)—Mixed colors. **Pkt., 15c; ½ oz., 75c.**

ST. BRIGID (True Irish Strain)—Mixture of semi-double and double flowers. **Pkt., 25c; ½ oz., \$1.00.**

ARABIS ALPINA

(Rock Cress)

A hardy perennial Alpine trailing plant. Flowers are pure white and borne on erect spikes and bloom very early. Useful in sunny rockeries and well-drained borders. **Pkt., 10c; ¼ oz., 30c.**

ARCTOTIS

GRANDIS—The African Lilac Daisy. Handsome annual forming branched bushes 2 to 2½ feet in height. Pearl white flowers with mauve center, with the reverse of the petals pale lilac. Sow the seed in the fall or early spring, either in boxes to transplant or outside. **Pkt., 10c; ¼ oz., 25c.**

GIANT HYBRIDS—Complete description to be found on page 2. **Pkt., 25c.**

ASCLEPIAS

(Butterfly Milk Weed)

TUBEROSA—A hardy perennial border plant with clusters of brilliant orange colored flowers; 2 feet. Prefers a well-drained soil and sunny situation. **Pkt., 25c.**

ASPARAGUS

PLUMOSUS—A tender perennial for greenhouses or potted plant use, with long, fine feathery foliage. Seeds start slowly and should be soaked in water before sowing. **Pkt., 10c; 100 seeds, 35c.**

SPRENGERI (Emerald Feather)—An easily grown, feathery-leaved variety with drooping branches. The best variety for hanging baskets. **Pkt., 10c; 100 seeds, 35c.**

ASTER PERENNIAL

(Michaelmas Daisies)

Beautiful hardy fall flowering perennials. Flowers are single in shades of lilac, blue and mauve.

SUB-COERULEUS—Forms a dense tuft of leaves from which issue many leafless stems 12 inches high bearing light blue flowers 3 inches in diameter in great profusion during June and July. Useful for edging and rockeries. **Pkt., 15c.**

NEW LARGE FLOWERED—Mixed, 1 to 3 feet tall. **Pkt., 15c; ½ oz., 85c.**

AUBRIETIA

One of the daintiest and most beautiful of all dwarf, creeping plants for massing in rockeries or in borders, forming brilliant sheets of color for many weeks in the spring. Sow the seed in the summer or fall. Hardy perennial.

BOUGAINVILLEI—Dark blue. **Pkt., 25c; ¼ oz., 75c.**

GRAECA—Light purple, very free blooming. **Pkt., 15c; ½ oz., 50c.**

AUSTRALIAN PEA VINE

(Dolichos Lignosus)

A rapid-growing evergreen climbing perennial, flowering freely in large clusters of rose flowers. For covering arbors, trellises, etc., they have no superior. **Pkt., 10c; ¼ oz., 30c.**

BALSAM

(Lady's Slipper)

A tender annual, with brittle stems and foliage. Grows about 12 inches high. Plants are profusely covered with large double wax-like flowers of brilliant colors—some self-colored, others blotched, spotted, and striped in a wonderful manner. Sow the seed in spring in boxes to transplant or out of doors when danger of frost is over. Set the plants 18 inches apart.

DOUBLE VARIETIES—White, Salmon-Pink, Lilac, Scarlet, Violet. Any of the above. **Per pkt., 10c; ¼ oz., 30c.**

CAMELLIA FLOWERED MIXED—Resembles a Camellia in its perfect shape. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

BARTONIA AUREA

A California wild flower producing showy golden yellow flowers above its gray and downy thistle-like foliage, which is exceedingly brilliant in the sunshine. Sow it where it is to remain, as it does not bear transplanting; annual; 2 feet. Sow in the fall or spring. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

BEGONIA

TUBEROUS ROOTED

Plants of great value for pot culture or for growing outside in sheltered position, blooming the first season from seed, if sown in February or March in a temperature of 60 degrees. (For bulbs, see page 89.)

SINGLE—Finest Mixed. **Pkt., 35c.**

DOUBLE—Extra Choice Mixed. **Pkt., 50c.**

CRISPA—Large single flowers, beautifully frilled on edge and crested. **Pkt., 35c.**

CRESTED or **BEARDED**—Finest Mixed. **Pkt., 50c.**

LLOYDI—Owing to its pendulous habit this Begonia makes a beautiful pot plant, but a still more striking effect is produced in hanging baskets. The flowers are double and come in many fine shades. **Pkt., 50c.**

FIBROUS ROOTED

These dwarf varieties are valuable for bedding, doing equally well in full sunlight or in partially shaded positions. They flower from May until frost. Half hardy perennials.

ERFORDIA—Rosy carmine. 12 inches. **Pkt., 25c.**

FIRE SEA—Fiery dark red; foliage green. Compact habit; 6 to 8 inches. **Pkt., 35c.**

PRIMA DONNA—Light rose, deeper at center. 12 inches. **Pkt., 25c.**

LUMINOSA—Deep scarlet; foliage crimson-bronze. 12 inches. **Pkt., 25c.**

SALMON QUEEN—Brilliant salmon-red; foliage brownish red. 12 inches. **Pkt., 35c.**

VERNON—Scarlet; foliage bronze-red. 15 inches. **Pkt., 15c.**

BRACHYCOME

(Swan River Daisy)

Free flowering dwarf growing hardy annuals 12 to 15 inches high, covered during the summer with a profusion of pretty blue or white flowers. Blue or Mixed, **pkt., 10c; ¼ oz., 40c.**

BROWALLIA

(Amethyst)

ELATA BLUE—Very free-flowering, half-hardy annual, covered with bright blue flowers. Used both for bedding and cutting; height 18 inches. **Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.**

SAPPHIRE (New)—Compact plants 9 to 10 inches high. Dark blue flowers with white eye. Fine for bedding or for pots. **Pkt., 25c.**

SPECIOSA MAJOR—Extra large deep blue; does fine outside in the border, but is especially valuable as a pot plant for winter bloom. **Pkt., 25c.**



Calendula, Orange Shaggy

CALENDULA (Cape Marigold)

Free flowering hardy annuals which are excellent for bedding and cutting. Sow in the open and thin or transplant to 1 foot apart; sow in January, May and August for a succession of blooms.

ORANGE SUNSHINE (New)—Clear orange. Description on page 2. **Pkt.**, 25c; $\frac{1}{8}$ oz., 75c.

SUNSHINE (Chrysanth) — Large double, buttercup-yellow flowers on exceptionally long, stout stems. The petals are long, wide and drooping, giving the flowers a globular appearance. **Pkt.**, 15c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

ORANGE KING (Hallawell's Special Strain)—Very large, deep orange-red with dark center. We consider this the finest strain in existence. **Pkt.**, 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

LEMON KING ("Extra Select")—Very large, rich lemon-yellow. **Pkt.**, 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

BALL'S GOLD—Deep golden yellow of extra large size; fine long stems. **Pkt.**, 15c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

BALL'S ORANGE—Immense rich orange flowers carried on long stems. **Pkt.**, 15c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

CAMPFIRE (Sensation)—Large double, brilliant orange colored flowers with a scarlet sheen and full yellow center; stems are stout and long. **Pkt.**, 15c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

ORANGE SHAGGY—Petals are long, deeply fringed and overlap each other in a rather irregular fashion. Color is deep orange shading to lighter orange in the center of the flower; stems are stout and long. **Pkt.**, 15c; $\frac{1}{4}$ oz., 35c.

RADIO—Medium size, clear orange flowers. The petals are beautifully quilled, adding great charm to the flowers. **Pkt.**, 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

MIXED—**Pkt.**, 10c; oz., 25c; $\frac{1}{4}$ lb., 85c.

CALCEOLARIA

This ornamental, annual greenhouse plant produces a mass of beautiful pouch-shaped flowers in spring, many of which are tigered or spotted. Sow the seed from June to September for next spring's bloom.

COVENT GARDEN STRAIN—Flowers of large size and beautifully marked in a great variety of colors. **Pkt.**, 50c.

CAMPANULA (Canterbury Bells)

Well known, beautiful hardy herbaceous perennials and biennials, bearing a great profusion of attractive bell-shaped flowers, thriving best in light, rich soil.

BIENNIAL

SINGLE—(Campanula Medium)—A hardy biennial, blooming the second year from seed; of easy culture, but preferring rich, moist soil. Grows about 2½ feet high and bears single bell-shaped flowers in blue, white, purple and pink colors. For next summer's bloom sow seed in boxes from April 15 to August 15 and transplant when well started. **Dark Blue, White, Rose, Lavender.** Each per **pkt.**, 10c; $\frac{1}{4}$ oz., 25c. **SINGLE MIXED**—**Pkt.**, 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.

DOUBLE MIXED—All the double flowering varieties assorted. **Pkt.**, 15c; $\frac{1}{4}$ oz., 50c.

CUP and SAUCER TYPE—In this variety the outer petals form a brim, like a saucer. **Dark Blue, White, Rose, Lavender.** Per **pkt.**, 15c; $\frac{1}{8}$ oz., 45c. **Finest Mixed.** **Pkt.**, 15c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

PERENNIAL

PERSICIFOLIA GRANDIFLORA (Peach-Bell) — Perennial; 4 feet; large flowered. **Blue, White, Mixed.** Per **pkt.**, 15c.

PERSICIFOLIA TELHAM BEAUTY—Immense bell-shaped flowers of a pale china-blue, produced on long stems. **Pkt.**, 25c.

PYRAMIDALIS (Chimney Bellflower)—Large flowers on tall (6-foot) spikes; blooms late; perennial. **Blue, White, Mixed.** Per **pkt.**, 15c; $\frac{1}{8}$ oz., 40c.

CARPATICA (Carpathian Harebell) — A dwarf perennial, 9 inches, for rockeries, edges and beds. **Blue, White, Mixed.** Per **pkt.**, 10c; $\frac{1}{4}$ oz., 50c.

ANNUAL CANTERBURY BELLS

A new strain of these beautiful flowers which will commence blooming in August from seed sown in February. The plants grow 2 to 2½ feet tall, each plant having from 6 to 8 spikes of bloom in shades of dark blue, light blue, rose and white.

ANGELUS BELL—A beautiful deep rose. **Pkt.**, 20c.

BLUE BELL—Cambridge blue. **Pkt.**, 20c.

LIBERTY BELL—Intense violet-blue. **Pkt.**, 20c.

MISSION BELL—Clear pink. **Pkt.**, 20c.

WEDDING BELL—Pure white. **Pkt.**, 20c.

SELECT MIXTURE—**Pkt.**, 15c; $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c.



Annual Canterbury Bell

CALLIOPSIS

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, in spring, thinning out to stand 6 inches to 12 inches apart.

ATROSANGUINEA—Velvety dark maroon. 2½ to 3 feet high. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

BI-COLOR HYBRIDA SEMI PLENA—Semi-double flowers of garnet and yellow. 2½ to 3 feet high. **Pkt., 10c; ¼ oz., 25c.**

CRIMSON KING—A fine dwarf sort 9 inches high; color, rich velvety crimson-scarlet. **Pkt., 10c; ¼ oz., 25c.**

GOLDEN WAVE—The largest flowering variety. Clear yellow flowers with brown center. 2 feet high. **Pkt., 10c; ¼ oz., 25c.**

SPLENDENS—Large golden yellow flowers with brown centers. 2½ to 3 feet high. **Pkt., 10c; ¼ oz., 25c.**

TIGER STAR—Dwarf variety, not over 9 inches high. Flowers a rich reddish brown tigered with golden yellow. **Pkt., 10c; ¼ oz., 25c.**

Collection of one packet each of the above 6 sorts, 50c.

TALL MIXED—A gorgeous mixture of golden yellow, brown, maroon and other shades. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

For perennial sorts see **Coreopsis**.

CANARY BIRD VINE

A tender, climbing annual of the Nasturtium family. Blossoms have curiously winged petals and are light yellow. Sow the seed in the open ground from March 15th until June. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

CANDYTUFT

One of the most popular hardy annuals for furnishing beds and borders with masses of color from spring until fall; also good for cutting. Requires plenty of sunshine and only a moderate amount of watering. Seeds sown in autumn produce flowers early in spring; when sown in April, flowers from July to September.

TALL ANNUAL VARIETIES

(Height 1 foot)

ALBIDA—Creamy white. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

CARMINE—Bright carmine-rose. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

CRIMSON or PURPLE—**Pkt., 10c; ½ oz., 30c; oz., 50c.**

LAVENDER—Delicate shade of lilac. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

ROSE CARDINAL IMPROVED (New)—An improvement of the original Rose Cardinal. Several shades deeper, and comes almost perfectly true to color. **Pkt., 25c; ¼ oz., 45c.**

ROSE CARDINAL—Deep rosy cardinal. **Pkt., 10c; ½ oz., 40c; oz., 75c.**

Collection of a packet each of the above 6 sorts, 60c.

SPLENDID MIXED—**Pkt., 10c; ½ oz., 25c; oz., 40c.**

GIANT HYACINTH FLOWERED or IMPROVED EMPRESS—Very large heads and long spikes of white flowers. Best sort for cut flowers. 1½ feet. Extra select strain. **Pkt., 10c; ¼ oz., 35c.**

DWARF ANNUAL VARIETIES

(Height 6 inches)

DWARF LAVENDER—**Pkt., 10c; ¼ oz., 35c.**

DWARF PINK—**Pkt., 10c; ¼ oz., 35c.**

DWARF HYBRIDS MIXED—Plants of fine compact growth in a large range of colors. Sow in the late spring or summer as the plants will grow tall if the seed is sown early. **Pkt., 10c; ¼ oz., 25c; oz., 70c.**

PERENNIAL SORTS

Sow in summer or early fall for next season's bloom. Start seed in boxes and transplant.

SEMPERVIRENS—Pure white. **Pkt., 15c; ½ oz., 50c.**

GIBALTARICA—White shading to lilac. **Pkt., 10c; ¼ oz., 50c.**



Carnation, Enfant de Nice

CARNATION

The Chabaud and Enfant de Nice Carnations are the most satisfactory garden types as they bloom within a few months after being sown and continue to produce flowers in great profusion indefinitely. Sow the seed in boxes in the fall or early spring. The florists' varieties are propagated from cuttings.

CHABAUD'S EVERBLOOMING—Very free blooming, produces a large percentage of double flowers. **Flesh Pink, White, Crimson, Rose-Pink, Cardinal-Red, Yellow**—Any of the above. **Per pkt., 15c; ½ oz., 65c.**

Collection of one packet each of the above 6 colors, 75c.

CHABAUD'S GIANT MIXED—**Pkt., 15c; ½ oz., 40c.**

ENFANT DE NICE—The result of a cross between Chabaud's Giant Improved and Carnation Perpetual. The plants are of robust, upright habit, with long, strong stalks bearing flowers 2½ to 3 inches in diameter. This strain is magnificent and so far the last word in Carnations. May be treated as an annual. The color comes about 75 per cent true from seed and about 90 per cent of the plants come double. **Red, Rose, Light Salmon, White, Striped**—Any of the above. **Per pkt., 25c; ½ oz., 85c. Finest Mixed. Pkt., 25c; ½ oz., \$1.00.**

GIANT MARGUERITE MIXED—A showy type carrying a profusion of large, fragrant blooms 2½ to 3 inches across. **Pkt., 10c; ¼ oz., 60c.**

CASTOR OIL BEAN

(Ricinus)

An annual which persists as a perennial in mild climates. Grows to a height of from 6 to 15 feet, and has large ornamental foliage. Sow the seed from March until June.

ZANZIBARENSIS—A large-leaved variety, deep green and bronze, growing 10 to 15 feet high. **Pkt., 10c; oz., 30c.**

CELOSIA (Cockscomb)

Very attractive and showy annual, producing massive heads of rich shades of crimson and yellow flowers. Does best started in a hotbed and transplanted into very rich soil after warm weather has set in. Set the plants a foot or more apart. Tender annuals.

PLUMOSA MAGNIFICA (Improved Feathered Cockscomb)—A new variety, superior to the older sorts, of pyramidal growth attaining a height of 3 feet and producing feathery plumes of the most brilliant colors. **Mixed. Pkt., 10c; ¼ oz., 40c.**

PLUMOSA MAGNIFICA, YELLOW—Pkt., 15c; ¼ oz., 50c.

PLUMOSA MAGNIFICA, CRIMSON—Pkt., 15c; ¼ oz., 50c.

PLUMOSA MAGNIFICA, SCARLET—Pkt., 15c; ¼ oz., 50c.

PRIDE OF CASTLE GOULD—Beautiful plants for pot culture or for bedding. Of pyramidal compact habit, attaining a height of 2 to 3 feet, with immense fine feathered heads, in wide range of colors. **Prize Strain. Pkt., 25c.**

CHILDSI or CHINESE WOOLFLOWER—This attractive variety grows 2 to 3 feet high, bearing on long stems brilliant flowers that look like balls of silky wool; very effective in the garden. **Crimson, Yellow and Mixed. Each 10c per pkt.; ¼ oz., 50c.**

CRISTATA GLASGOW PRIZE—A dwarf crimson variety, 6 or 8 inches high, with very wide combs. Valuable for borders and edging. **Pkt., 15c.**

CRISTATA GIANT EMPRESS—Wide blood red combs, brown foliage, dwarf. **Pkt., 15c.**

CRISTATA DWARF YELLOW—Pkt., 15c.

CRISTATA DWARF MIXED—Extra select mixture of rich colors. **Pkt., 10c.**

CRISTATA TALL CRIMSON—1½ to 2 feet. Pkt., 10c.

CENTAUREA

CYANUS (Bachelor Button or Cornflower)

Of easy culture, sow the seed either in the fall or spring in boxes to transplant or sow where the plants are to remain and thin to 4 inches.

DOUBLE BLUE—Large semi-double blue flowers; plants of vigorous growth. **Pkt., 10c; ¼ oz., 25c.**

DOUBLE PINK—Clear rose-pink. **Pkt., 10c; ¼ oz., 25c.**

DOUBLE WHITE—Pure white. **Pkt., 10c; ¼ oz., 25c.**

DOUBLE MAROON—Pkt., 10c; ¼ oz., 25c.

DOUBLE MAUVE—Pkt., 10c; ¼ oz., 25c.

DOUBLE RUBY—Pkt., 10c; ¼ oz., 25c.

Collection of one packet each of the above 6 Double Sorts, 50c.

DOUBLE MIXED—Pkt., 10c; ¼ oz., 20c; oz., 50c.

IMPERIALIS (Royal Sweet Sultan)

The large thistle-like blossoms are borne on long strong stems; when cut will last in good condition for several days; 2½ feet tall. Sow in the fall or early spring so that they may perfect their flowers before very hot weather comes.

PURE WHITE, ROSE, PURPLE, LAVENDER, AMARANTH RED.

Any of the above colors. **Pkt., 10c; ¼ oz., 30c.**

Collection of one packet each of the above 5 colors, 45c.

MIXED COLORS—Pkt., 10c; ¼ oz., 25c.

VARIOUS CENTAUREAS

SUAVEOLENS—Yellow Sweet Sultan. **Pkt., 10c; ¼ oz., 35c.**

AMERICANA—A splendid native annual variety; grows 3½ feet high and bears immense thistle-like blooms of rosy lavender color. **Pkt., 10c; ¼ oz., 25c.**

MONTANA (Perennial Cornflower)—Hardy perennial sort, growing 2 feet high, bearing large violet-blue flowers during July and August. **Pkt., 10c; ¼ oz., 40c.**

CANDIDISSIMA, WHITE LEAVED, or DUSTY MILLER—Grown for its silvery white foliage; used for borders, carpet bedding; 1 foot; perennial. **Pkt., 15c; ¼ oz., 70c.**



Annual Chrysanthemum

CHRYSANTHEMUM (Painted Daisy)

Summer-blooming annuals, of compact growth, producing quantities of large single flowers, 2 inches across, and of striking beauty; very effective for flower beds and for cut flowers. 2 to 2½ feet. Sow the seed in spring. In mild sections seed may also be sown in the fall for early bloom.

BURRIDGEANUM—White petals with zone of brownish red and inner zone of yellow surrounding the dark brown disc. **Pkt., 10c; ¼ oz., 25c.**

CHAMELEON—Autumn tints; very fine. **Pkt., 10c; ¼ oz., 25c.**

THE SULTAN—Dark copper with yellow zone. **Pkt., 10c; ¼ oz., 25c.**

W. E. GLADSTONE—Rich purple with yellow zone. **Pkt., 10c; ¼ oz., 25c.**

EVENING STAR—A splendid variety for cutting. Pure golden yellow. 3 inches in diameter. **Pkt., 10c; ¼ oz., 25c.**

MORNING STAR—Large, primrose yellow, shading deeper; fine for cutting. **Pkt., 10c; ¼ oz., 25c.**

EASTERN STAR—Primrose yellow with brown disc; very fine. **Pkt., 10c; ¼ oz., 25c.**

NORTHERN STAR—Large, pure white with yellow center and dark disc. **Pkt., 10c; ¼ oz., 25c.**

SINGLE MIXED—Pkt., 10c; ¼ oz., 20c; oz., 50c.

CARINATUM DOUBLE and SINGLE MIXED—The flowers are double and semi-double, with some singles and come in a great variety of colors and are fine for cutting. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

NIVELLI (Annual Marguerite)—A new variety with pure, deep yellow flowers. The earliest flowering variety and a very free bloomer; 2 to 3 feet high. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

PERENNIAL

MAWII—A hardy perennial with rich pink flowers 2 inches across. The plants are 1 foot high with silvery foliage. A very useful subject for the border or rockery. **Pkt., 25c; ¼ oz., 60c.**

CERASTIUM (Snow in Summer)

TOMENTOSUM—Very pretty dwarf white leaved plant, bearing small white flowers; invaluable for rockeries and edgings; hardy perennial. Start in boxes to transplant. **Pkt., 15c; ½ oz., 40c.**

CHEIRANTHUS

(Siberian Wallflower)

ALLIONI—An exceedingly showy rock and border plant. Brilliant orange-colored flowers throughout spring and summer if seed pods are removed. 1 foot. Best treated as an annual as it frequently blooms itself to death. Will flower freely through the summer from seed sown early in spring; for early spring flowering sow in late summer. **Pkt., 10c; ¼ oz., 25c.**

CHELONE BARBATA

A hardy border perennial of Pentstemon-like habit producing long spikes of flowers. Height 3 feet. Sow from May to September for next summer's bloom. Start seed in boxes and transplant.

HYBRIDA PRAECOX—A new early flowering strain producing a large proportion of pretty pink and cerise flowers in various shades. **Pkt., 10c; ¼ oz., 40c.**

CINERARIA

These plants are invaluable for the decoration of the conservatory or for bedding outside in partial shade; unsurpassed for richness and variety of vivid colors, ranging through all shades of blue, purple and crimson; the seed is easily started and the plants grow readily in good ordinary soil. Sow in boxes in the summer for spring blooming, or early in spring for late summer flowering.

CALIFORNIA SUPER GIANTS MIXED—The huge flowers measure from 3 to 5 inches across and are borne in immense rounded trusses above the dark green foliage. The colors range from pastel salmons, azure blue and snowy white to the deepest blood-red and violet-blues. Plants are compact in habit, 15 to 18 inches high. **Pkt., 50c.**

SUPER GIANT, BLUE SHADES—**Pkt., 50c.**

SUPER GIANT, SALMON SHADES—**Pkt., 50c.**

MATADOR—Terra cotta-red. Large Flowered. **Pkt., 50c.**

ROYAL BLUE—Large Flowered. **Pkt., 50c.**

GOOD MIXTURE—Semi-Dwarf, Large Flowered. **Pkt., 25c.**

DWARF PRIZE—Dwarf compact plants with large flowers in various colors, not over a foot high. **Pkt., 35c.**

MULTIFLORA NANA MIXED—A new race producing dwarf plants 10 inches high with masses of small flowers measuring about ¼-inch diameter; compact heads over small foliage. The flowers are all self colored. **Pkt., 35c.**

STELLATA (Star-Flowering Cineraria)—A tall-growing variety with large spreading panicles of star-shaped flowers in all colors. **Pkt., 25c.**

STELLATA FELTHAM BEAUTY—Similar to above but is dwarfier, with larger flowers and broader petals, but retaining the true star shape. Many have white centers. **Pkt., 35c.**

CLARKIA

A hardy annual of easy culture, growing about 18 inches high and bearing bright rose, white, or purple flowers in great profusion. Seed sown in the fall will give early blossoms in the spring. Seed can be sown almost any time.

BRILLIANT—Very bright carmine-rose, double. **Pkt., 10c; ¼ oz., 35c.**

PURPLE PRINCE—Double rich purple. **Pkt., 10c; ¼ oz., 35c.**

SALMON QUEEN—Double salmon-pink flowers. **Pkt., 10c; ¼ oz., 35c.**

SCARLET BEAUTY—Double brilliant scarlet. **Pkt., 10c; ¼ oz., 35c.**

WHITE—Double pure white. **Pkt., 10c; ¼ oz., 35c.**

Collection of one packet each of the above 5 varieties, 45c.

DOUBLE MIXED—An extra select strain. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c.**

CLEOME PUNGENS

(Giant Spider Plant)

The plants grow 3 to 4 feet tall and are well branched, with heads of curious-shaped rose colored flowers. Used extensively in the mixed border and among shrubbery. Sow seed in the open when the ground becomes warm. **Pkt., 10c.**

COBAEA SCANDENS

A very fine and rapid-growing climber, with large bell-shaped purple flowers and beautiful foliage. Needs rich soil; plant seeds edgewise and cover lightly. **Pkt., 10c.**

COLEUS

Richly colored ornamental foliage plants for house culture. Although perennials they attain perfection from seed the first year.

HALLAWELL'S IMPROVED HYBRIDS—This strain produces the finest colored and most attractive varieties. **Pkt., 35c.**

RAINBOW MIXTURE—**Pkt., 20c.**

COLLINSIA BICOLOR

A free-flowering and easily grown annual, growing from 1 to 2 feet; flowers violet and white. A California wild flower; prefers shade. Sow seed in the open ground any time in the fall until May. **Pkt., 10c; oz., 35c.**

COREOPSIS

A perennial with light, graceful foliage and beautiful golden flowers. Blossoms in midsummer and is one of the best yellow cut flowers. Will bloom the first season if sown early. Sow the seed in boxes and transplant to 1 foot apart.

GRANDIFLORA—**Pkt., 10c; ¼ oz., 25c; oz., 75c.**

GRANDIFLORA FLORA PLENA—This new strain produces a good percentage of semi-double flowers and is just as easy to grow as the single flowering form and the extra petalage adds a further charm to the flower. **Pkt., 10c; ¼ oz., 35c.**

MAYFIELD GIANT—A new variety of Australian origin. It produces a taller and more vigorous plant than the Grandiflora, with longer and firmer stems and larger individual blooms. The color is the same familiar yellow, if anything, a shade more intense. **Pkt., 15c; ¼ oz., 50c.**



Clarkia



Columbine

COLUMBINE

(Aquilegia)

A hardy perennial of graceful habit growing 2 to 3 feet high. The attractive flowers produce an unusual wealth of color from May to July. They succeed best in partial shade and are of value for cutting. Seeds sown in early summer or fall will bloom the following spring. Start seed in boxes to transplant.

CRIMSON STAR (Long Spurred)—Crimson petals and white corolla. **Pkt., 25c; 1/8 oz., 75c.**

CHRYSANTHA (Golden Spurred)—Golden yellow. **Pkt., 15c.**

LONG SPURRED PINK HYBRIDS—A beautiful selection of pink and rose shades. **Pkt., 25c; 1/8 oz., 65c.**

LONG SPURRED BLUE HYBRIDS—Blue and lavender shades. **Pkt., 25c; 1/8 oz., 65c.**

LONG SPURRED ORANGE and SCARLET HYBRIDS—Very fine. **Pkt., 25c; 1/8 oz., 65c.**

HALLAWELL'S SELECT HYBRIDS—This strain far surpasses the Scott-Elliott hybrids. The blooms are of large size and the range of color quite complete. **Pkt., 25c; 1/8 oz., 65c.**

LONG SPURRED HYBRIDS, MIXED—A great variety of colors. **Pkt., 15c; 1/8 oz., 50c.**

DOUBLE MIXED—**Pkt., 15c; 1/4 oz., 30c.**

CYCLAMEN

A tender bulbous perennial, used in greenhouses and window gardens. It is easily grown from seed. Sow in the fall or early spring.

CHERRY RED—Bright cherry-red. **Pkt., 10 seeds, 25c.**

PEARL OF ZEHLENDORF—Dark salmon. **Pkt., 10 seeds, 25c.**

ROSE OF MARIENTHAL—Soft rose, carmine eye. **Pkt., 10 seeds, 25c.**

ROSE OF ZEHLENDORF—Light salmon. **Pkt., 10 seeds, 25c.**

WHITE LADY—Pure white. **Pkt., 10 seeds, 25c.**

MIXED—**Pkt., 12 seeds, 25c; 100 seeds, \$1.85.**

PAPILIO—Butterfly type, fringed and waved edges. **Pkt., 10 seeds, 30c; 100 seeds, \$2.50.**

COSMOS

The plants grow 5 to 6 feet high, and are one mass of feathery green foliage, gemmed with large single flowers of white, pink, or crimson, enlivening the garden long after more tender flowers have succumbed to early frosts. For bouquets and vases this is one of the finest flowers grown. This half hardy annual may be sown from February until June. Sow in boxes to transplant or out of doors if cold weather is over and thin to 12 inches apart.

GIANT LATE or LADY LENOX

The finest late flowering type, bearing giant flowers with broad and overlapping petals of splendid substance. The plants, 5 to 6 feet high, are of symmetrical pyramidal form.

GIANT PINK—Bright pink. **Pkt., 10c; 1/4 oz., 25c.**

GIANT WHITE—Pure white. **Pkt., 10c; 1/4 oz., 25c.**

GIANT CRIMSON—Brilliant crimson. **Pkt., 10c; 1/4 oz., 25c.**

GIANT MIXED—Contains an even proportion of the above colors. **Pkt., 10c; 1/4 oz., 20c; oz., 50c.**

MAMMOTH EARLY FLOWERING

A great improvement on the ordinary early flowering type. Plants grow 3 1/2 to 4 feet tall and produce immense flowers in 60 days from time of sowing.

MAMMOTH EARLY PINK—**Pkt., 10c; 1/4 oz., 25c.**

MAMMOTH EARLY WHITE—**Pkt., 10c; 1/4 oz., 25c.**

MAMMOTH EARLY CRIMSON—**Pkt., 10c; 1/4 oz., 25c.**

MAMMOTH EARLY MIXED—**Pkt., 10c; 1/4 oz., 20c; oz., 60c.**

EARLY GIANT SENSATION (New)—Mammoth flowers 4 to 5 inches in diameter in mixture containing white and shades of rose and pink. **Pkt., 25c; 1/4 oz., 85c.**

EARLY ORANGE FLARE (Klondyke)—Free flowering vivid bright orange; the plants are in full flower less than four months from the time of planting. **Pkt., 20c; 1/4 oz., 45c.**

DOUBLE CRESTED

The plants grow 3 1/2 to 4 feet tall and produce about 60 per cent of flowers having double centers and a row of petals around the base of the flower which makes them very effective.

CRIMSON KING—Dark crimson. **Pkt., 15c; 1/4 oz., 60c.**

PINK BEAUTY—Soft pink. **Pkt., 15c; 1/4 oz., 60c.**

WHITE QUEEN—Pure white. **Pkt., 15c; 1/4 oz., 60c.**

Mixture of the above colors—**Pkt., 15c; 1/4 oz., 50c.**



Cosmos, Double Crested

CYNOGLOSSUM

(Chinese Forget-Me-Not)

A hardy biennial recently introduced from China, of the easiest culture, forming strong plants about 18 inches high and producing through the summer months sprays of Forget-me-not-like flowers. Will bloom the first season if sown early.

AMABILE BLUE—Intense deep blue. **Pkt., 10c; ¼ oz., 25c.**

FAIRY BLUE—Bright Cambridge blue. **Pkt., 15c; ¼ oz., 50c.**

CYPRESS VINE

(Ipomea Quamoclit)

A beautiful annual climber, with delicate, dark-green, feathered foliage, and an abundance of bright, star-shaped blossoms. The seed will sprout more readily if allowed to soak in lukewarm water for a few hours before sowing. Sow the seed in the open in April, or when the weather becomes warm.

SCARLET—**Pkt., 10c; ½ oz., 35c.** WHITE—**Pkt., 10c; ½ oz., 35c.** MIXED COLORS—**Pkt., 10c; ½ oz., 25c; oz., 40c.**

QUAMOCLIT HYBRIDA (Cardinal Climber)—Beautiful fern-like foliage and brilliant cardinal flowers. **Pkt., 10c; ¼ oz., 25c.**

DAHLIA

One of the best late summer and autumn flowering plants. Will bloom the first season if the seed is sown in boxes before the beginning of April. When the first pair of leaves attain a height of one inch, pot singly at a depth close to the base of the leaves. Transfer to larger pots as often as necessary to avoid giving any check. Harden off and plant outside when danger from frost is over.

UNWIN'S DWARF HYBRIDS—A charming dwarf early flowering, semi-double strain of Dahlia in a wide range of attractive colors. Grows 2 feet tall and is as easily grown from seed as Zinnias. **Pkt., 25c.**

DOUBLE CACTUS—Mixture from named sorts. **Pkt., 25c.**

DOUBLE FINEST MIXED—Mixture from named varieties. **Pkt., 25c.**

POMPON MIXED—Selected from the finest parent varieties. **Pkt., 25c.**

MINIATURE MIXED—This class embraces the small size Decorative, Cactus and Hybrid Cactus types. The dainty flowers measure less than three inches in diameter, bloom profusely and have splendid keeping qualities. **Pkt., 25c.**

SINGLE COLOSSAL MIXED—**Pkt., 10c.**

DOUBLE DAISY

(Bellis Perennis)

A hardy perennial, blossoming freely all spring and summer. Plant is about 4 inches high and is valuable for borders. Sow the seed in boxes to transplant. If sown early will flower the first season.

GIANT WHITE—Flowers are very large and the plants of vigorous growth. **Pkt., 15c; ½ oz., 60c.**

GIANT ROSE—Same as the above except in color. **Pkt., 15c; ½ oz., 60c.**

GIANT QUILLED ETNA—Rich red. **Pkt., 25c.**

GIANT QUILLED MONTEROSA—Rose. **Pkt., 25c.**

GIANT MIXED—**Pkt., 15c; ½ oz., 60c.**

LONGFELLOW—Double dark rose. **Pkt., 10c; ½ oz., 40c.**

SNOWBALL—Extra Double. Clear white. **Pkt., 10c; ½ oz., 40c.**

EXTRA DOUBLE MIXED—**Pkt., 10c; ½ oz., 40c.**

SINGLE LAWN DAISY—**Pkt., 15c; ½ oz., 50c.**

SHASTA DAISY

A fine perennial plant bearing large white single blossoms with yellow centers; an excellent cut flower and admired everywhere. Soak seed in warm water overnight before sowing. Sow in boxes and transplant when well started.

ALASKA—The best variety. **Pkt., 15c; ½ oz., 35c; ¼ oz., 65c.**

GIANT DOUBLE—(Variable). **Pkt., 35c.**



Delphinium, Hollyhock or Wrexham Strain

DELPHINIUM

(Perennial Larkspur)

One of the most popular perennials for garden display and for cutting. Seeds sown in beds or in boxes any time from June to November will bloom the following season.

AZURE FAIRY—An annual type with large azure-blue blossoms. Forms a compact free flowering bush about 1 foot high. **Pkt., 15c; ½ oz., 40c; ¼ oz., 70c.**

BLUE BUTTERFLY—Intense deep blue, same habit of growth as Azure Fairy. **Pkt., 15c; ½ oz., 40c; ¼ oz., 70c.**

BELLADONNA IMPROVED (Special Strain)—Beautiful light turquoise-blue and a continuous bloomer. Larger flowered and a stronger grower than the original Belladonna. **Pkt., 20c; ½ oz., 70c.**

BELLAMOSUM—Rich deep blue. The standard cut-flower variety. **Pkt., 15c; ½ oz., 60c.**

CARDINALE—This is the Southern Scarlet Larkspur, growing 3 to 5 feet high and blooming in June and July. **Pkt., 15c; ½ oz., 60c.**

SUMMER CLOUD—Long spikes of pure white flowers with an occasional light blue. 4 feet. **Pkt., 35c; ¼ oz., 65c.**

HOLLYHOCK or WREXHAM STRAIN—A magnificent strain which produces enormous spire-like spikes of large single and double blooms in a very rich assortment of blue and pastel shades. **Mixture—Pkt., 35c; ¼ oz., 75c.**

WREXHAM ART SHADES—**Pkt., 50c.**

WREXHAM DEEP BLUE SHADES—**Pkt., 50c.**

WREXHAM LIGHT BLUE SHADES—**Pkt., 50c.**

Collection of one packet each of the above 3 colors for \$1.25.

HALLAWELL'S IMPROVED HYBRIDS—A specially selected strain with large handsome flower spikes; contains all colors from lightest to deepest blue. **Pkt., 20c; ½ oz., 75c.**

GOLD MEDAL HYBRIDS—Rich blue of various shades, grows 3 to 4 feet high. **Pkt., 10c; ¼ oz., 75c.**

California customers please include Sales Tax

DIANTHUS

ANNUAL PINKS

Hardy annuals, about 1 foot high, and bearing beautifully colored, single and double blossoms in profusion all summer. Sow seed from September until May in boxes to transplant. Seed may also be sown in spring in the open in rows where the plants are to remain.

HEDDEWIGI, FL. PL. (Japan Pink)—Large double flowers, fine colors. Mixed. **Pkt., 10c; ¼ oz., 25c.**

CHINENSIS (Indian Pink)—Finest double mixed. **Pkt., 10c; ¼ oz., 25c.**

LACINIATUS—Finest single fringed variety, in choice colors. **Pkt., 15c; ¼ oz., 25c.**

DIADEMATIS (Double Diadem Pink)—Fine mixed. **Pkt., 10c; ¼ oz., 30c.**

MOURNING CLOAK—Double deep blackish crimson, with white edge. **Pkt., 10c; ¼ oz., 35c.**

CRIMSON BELLE—Single, brilliant crimson. **Pkt., 10c; ¼ oz., 30c.**

FIREBALL—Double rich scarlet; compact. **Pkt., 15c; ¼ oz., 40c.**

SNOWBALL—Double fringed white. **Pkt., 10c; ¼ oz., 40c.**

SALMON KING—Double brilliant salmon-rose. **Pkt., 15c; ¼ oz., 60c.**

SWEET WIVELSFIELD—This new hardy annual Dianthus resembles a Sweet William but the flowers are larger and carried more gracefully in loose heads; it has a much wider range of coloring, the predominating colors are reds, pinks and crimsons. Grows about 12 inches in height and is excellent for cutting. Seed may be sown either in the fall or spring in boxes to transplant or in the open ground. **Pkt., 15c; ¼ oz., 50c.**



Annual Dianthus



Dianthus, Plumarius Cyclops

PERENNIAL PINKS

Hardy perennial, low-growing Pinks, extensively used for borders, edgings and rockeries. The Plumarius type has a delightful spicy odor and all varieties are free flowering. Seed sown in boxes in the early summer or fall will bloom the following season.

CAESIUS (Cheddar Pink)—A splendid rock plant, forming dense tufts 3 inches high with bright pink colored flowers in May and June. **Pkt., 15c; ¼ oz., 50c.**

DELTOIDES BRILLIANT (Maiden Pink)—A charming creeping variety for the rock garden, with rich rosy crimson flowers in June and July. **Pkt., 15c; ¼ oz., 50c.**

DELTOIDES MAJOR STERN'S VARIETY—Bright crimson flowers and dark foliage. **Pkt., 25c; ¼ oz., 75c.**

LATIFOLIUS ATROCOCINEUS FL. PL. (Everblooming Hybrid Sweet William)—This is a cross between an Annual Pink and Sweet William, combining the free and continuous blooming qualities of the former with the hardiness of the latter; color is an intense velvety crimson-scarlet. **Pkt., 15c; ¼ oz., 50c.**

PLUMARIUS CYCLOPS (Clove Pink)—Large single and semi-double fringed flowers in various rose and red shades with clove-like fragrance; produced in great abundance. **Pkt., 10c; ½ oz., 35c; ¼ oz., 60c.**

PLUMARIUS DOUBLE MIXED (Double Clove Pink)—Double and semi-double flowers in various colors; fragrant. **Pkt., 10c; ½ oz., 35c; ¼ oz., 60c.**

PLUMARIUS NANUS DOUBLE MIXED (Double Clove Pink)—Dwarf double flowers in various colors, 1 foot high. **Pkt., 15c; ½ oz., 50c.**

PLUMARIUS DOUBLE WHITE—Very fragrant. **Pkt., 20c; ½ oz., 75c.**

PLUMARIUS (Pheasant's Eye Pink)—A single Clove Pink with fringed edged flowers in various colors, fragrant. **Pkt., 10c; ¼ oz., 25c.**

DIASCIA BARBERAE

A very attractive little plant, blooming freely in summer. The flowers have two short spurs and are a beautiful salmon-pink. It is a fine rock plant and also makes a good pot plant for indoor use; hardy perennial. Sow the seed in boxes to transplant; will bloom the first year if sown early. **Pkt., 15c; ⅛ oz., 50c.**

DIDISCUS COERULEA

(Blue Lace Flower)

This annual should be grown extensively for cutting purposes. The plants grow 18 to 24 inches high, flowers are light blue in flat clusters 2 to 3 inches across and are borne on long stout stems. Sow seeds in early spring in boxes to transplant. The seeds may also be sown in the open in rows in late spring and thinned out to 8 inches. **Pkt., 15c; ¼ oz., 50c.**



Dimorphotheca Aurantiaca

DIMORPHOTHECA (The African Golden Daisy)

This half hardy annual of neat branching habit grows 12 to 15 inches high, and is exceedingly profuse in flowering. The Marguerite-like blossoms are a rich, glossy color, 2½ inches in diameter. Sow the seed in early spring in boxes to transplant or later in the open and thinned as necessary.

AURANTIACA—Orange. Pkt., 10c; ¼ oz., 50c.

AURANTIACA GOLDEN WEST—Pkt., 15c; ¼ oz., 50c.

AURANTIACA SALMON BEAUTY—Pkt., 15c; ⅓ oz., 35c.

AURANTIACA HYBRIDS—Various shades of white, yellow, orange and salmon. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

EKLONIS—Pure white flowers with blue disc, on long stems. Height 2 feet. Pkt., 15c; ⅓ oz., 60c.

DOLICHOS (Hyacinth Bean)

A rapid-growing annual climber; flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented. Sow the seed in the open ground in April or May.

WHITE, PURPLE or MIXED—Per pkt., 10c.

EUPHORBIA

Half hardy annuals suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous but the foliage is very ornamental. Sow the seeds in boxes in spring and transplant to the open ground when danger from frost is over.

HETEROPHYLLA (Annual Poinsettia, Mexican Fire Plant)—The plants grow 2 to 3 feet high, of branching habit, with smooth, glossy, green leaves which become a bright scarlet in summer. Thrives in warm localities only. Pkt., 10c; ¼ oz., 35c.

VARIEGATA (Snow on the Mountain)—Attractive foliage veined and margined with white. Pkt., 10c; ¼ oz., 25c.

EXACUM AFFINE

A beautiful rich blue; sweet scented. A most elegant plant for pots. Seed sown in the greenhouse in March will make specimen plants in 5-inch pots in summer; for larger specimens, sow in August. Pkt., 35c.

ESCHSCHOLTZIA (California Poppy)

A hardy annual. Sow seed where the plants are to remain, as they do not transplant easily. Seed may be sown from September to early spring.

CALIFORNIA "RESELECTED" (California Poppy)—A selected type of the common variety, being a deep rich orange. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CRIMSON—Deep crimson. Pkt., 10c; ¼ oz., 25c; oz., 75c.

CHROME QUEEN—Clear chrome-yellow. Pkt., 10c; ¼ oz., 25c.

GEISHA—Orange crimson, inside petals rich golden orange. Pkt., 10c; ¼ oz., 30c.

LOVELY—Rose pink suffused salmon. Pkt., 15c; ¼ oz., 40c.

PURPLE GLOW—Bright reddish purple. Pkt., 10c; ¼ oz., 40c.

SCARLET BEAUTY—Vivid, deep scarlet. Pkt., 15c; ¼ oz., 40c.

VESUVIUS—Glistening Wallflower-red. Pkt., 10c; ¼ oz., 30c.

WHITE—Ivory white. Pkt., 10c; oz., 40c.

Collection of the above 9 sorts, 85c.

BRILLIANT MIXED—Rich in shades of crimson, pink and orange-scarlet. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

NEW HYBRIDS MIXED—New, large flowering, erect type, containing a large percentage of new shades in Eschscholtzias. Pkt., 15c; ¼ oz., 40c; oz., \$1.25.

FORGET-ME-NOT (Myosotis)

A hardy perennial of easy culture which thrives best in a cool, moist location; grows 6 to 12 inches high. Sow seed in summer or fall for next season's bloom.

ALPESTRIS—Blue. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.

INDIGO or ROYAL BLUE—A rich dark indigo-blue color. Pkt., 10c; ¼ oz., 40c.

WHITE—Pkt., 10c; ¼ oz., 35c.

PINK—Pkt., 10c; ¼ oz., 40c.

BLUE PERFECTION—Beautiful dwarf indigo-blue, very compact. Pkt., 15c; ⅓ oz., 50c.

OBLONGATA PERFECTA—Large dark blue flowers on long stems. Suitable for winter-blooming. Pkt., 15c; ⅓ oz., 45c.

VICTORIA—Large sky-blue flowers, dwarf habit. Pkt., 15c; ⅓ oz., 50c.

ROBUSTA GRANDIFLORA—Strong grower, with clear blue flowers, 10 inches tall. Pkt., 15c; ⅓ oz., 40c.

PALUSTRIS SEMPERFLORENS—Dwarf blue variety, continuing in bloom from early spring until autumn. Pkt., 15c; ⅓ oz., 50c.

FOUR O'CLOCK (Marvel of Peru)

Free flowering garden favorite usually treated as an annual; forms bushy plants 2 feet in height. The flowers open in the late afternoon, remaining expanded until the next morning. Mixture; Pkt., 10c; oz., 20c; ¼ lb., 50c.

FOXGLOVE (Digitalis)

Handsome hardy biennials and perennials of stately growth with long spikes of various colored flowers; fine for shrubberies and half shady places. Seed sown in boxes or in the open in a cool place any time in the summer to early fall will bloom the following season.

GLOXINIAEFLORE—Improved Strain of the ordinary variety: ROSE—Pkt., 10c. PURPLE—Pkt., 10c. WHITE—Pkt., 10c.

MIXED—Pkt., 10c; ¼ oz., 30c.

GIANT SHIRLEY—The plants of this new strain attain a height of 5 to 7 feet with spikes 3 to 4 feet long, carrying flowers of giant size, ranging in color from white to dark rose and handsomely blotched and spotted. Pkt., 15c; ¼ oz., 35c.

LUTZII HYBRIDS—A new hybrid variety with long spikes of charming pale apricot colored flowers. Perennial, 6 feet high. Pkt., 15c; ⅓ oz., 40c.

FREESIA

HYBRIDA TUBERGENII—Large flowered hybrids in a great variety of richest shades. They will bloom the following spring if the seed is sown before the first of September. Pkt., 25c; ⅓ oz., 60c.



Double Annual Gaillardias

GAILLARDIA

A very showy garden plant, with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn. Grows $1\frac{1}{2}$ to 2 feet high. Seed of the annual varieties may be sown from February to May. Perennial varieties will bloom the first season if sown early, but it is advisable to sow in summer or fall to insure strong plants for next season's blooming.

FINE SINGLE MIXED, ANNUAL—Pkt., 10c; $\frac{1}{4}$ oz., 25c.

DOUBLE MIXED, ANNUAL (Picta Lorenziana)—Pkt., 10c; $\frac{1}{4}$ oz., 25c.

PORTOLA HYBRIDS, PERENNIAL—Semi-double blooms of magnificent size, with broad overlapping petals golden tipped around glowing centers of bronzy red. Pkt., 15c; $\frac{1}{8}$ oz., 40c.

GRANDIFLORA SUPERB MIXED—A choice strain of the single perennial variety in varying shades of reddish brown and yellow. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

GERANIUM

ZONALE—A half hardy perennial, flowering the first year from seed sown early. Choice Mixed. Pkt., 15c; $\frac{1}{8}$ oz., 40c.

GERBERA

(Transvaal Daisy)

The large Marguerite-like flowers come in all shades of pink, salmon, red and yellow and are borne on long, stiff, straight stems. They require a warm, sunny position, good drainage and protection from frost. Sow in seed boxes in light soil and transplant when large enough to handle. Pkt., 25c; 100 seeds, 75c.

GESNERIA

(Naegelia)

Profuse blooming greenhouse plants. The flowering spikes are thrown up in great abundance and carry numerous bright, pendulous flowers, including pure white, yellow, salmon-pink, orange, rose, earmine and rich crimson. **Finest Hybrids.** Pkt., 50c.

GEUM

MRS. BRADSHAW—A showy hardy perennial with large double brilliant scarlet flowers borne on long stems. Useful for cutting as well as for growing in borders. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

LADY STRATHEDEN—Fine rich golden yellow flowers which match in other respects the popular scarlet variety, Mrs. Bradshaw. Pkt., 15c; $\frac{1}{8}$ oz., 60c.

MIXED—Mixture of the above two varieties. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

GILIA

Hardy annual California wild flower. Sow the seed in the open either in the fall or spring.

CAPITATA, "BLUE GILIA"—A slender branching plant $1\frac{1}{2}$ to $2\frac{1}{2}$ feet high; flowers light blue in dense globular heads. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

TRICOLOR, "BIRDS' EYES"—Flowers pale lilac, yellow toward the center with five purple spots; 9 to 12 inches high. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

GLOXINIA

Beautiful hothouse plants with large velvety bell-shaped blossoms, of rich and brilliant coloring. The seed may be sown in the fall or early spring.

HYBRIDA GIGANTEA—A superb strain containing the spotted hybrids as well as the self-colored sorts. Pkt., 50c.

GOMPHRENA

(Globe Amaranth)

A half hardy annual everlasting or straw flower, growing about 8 inches high with flowers which resemble large clover heads and can be dried and used in winter bouquets.

MIXED COLORS—Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 60c.

ORANGE—Known as "Strawberry Flower." Pkt., 10c; $\frac{1}{4}$ oz., 25c.

GOURDS

Excellent for covering verandas or trellis work and for training over arbors, fences, etc. Sow outside where they are to remain, when the ground becomes warm.

AFRICAN PIPE—The stem end of the fruits is used in making Calabash pipes. Pkt., 10c.

APPLE-SHAPED—Beautifully striped; small. Pkt., 10c.

CHINESE BOTTLE—Pkt., 10c.

CHINESE LOOFA (Sponge or Dish-Rag)—Pkt., 10c.

DIPPER or SIPHON—Makes a convenient dipper. Pkt., 10c.

HERCULES CLUB—Club-shaped fruits, 4 feet long. Pkt., 10c.

NEST EGG—White like an egg; small. Pkt., 10c.

ORANGE-SHAPED (Mock Orange)—Small. Pkt., 10c.

PEAR-SHAPED—Striped yellow and green; small. Pkt., 10c.

SPOON—Small ball-shaped fruit with a slender neck, deep orange. Pkt., 10c.

TURBAN—Odd brightly colored fruit. Pkt., 10c.

WARTED—All shapes; small. Pkt., 10c.

Each of above: $\frac{1}{2}$ oz., 25c; oz., 45c.

Collection of 6 packets of any of the above varieties, 50c.

SMALL FRUITED VARIETIES MIXED—Pkt., 10c; oz., 35c.

MIXED—All varieties. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c.

"How to Raise Flowers from Seed"—Inside Front Cover

GODETIA

Of all the hardy garden annuals, few are more lovely than the Godetia. It is exceedingly showy in beds and masses, and the satiny flowers last well after cutting. Sow the seed in the open ground in the fall for early bloom, or in the spring until June for later flowering.

DOUBLE VARIETIES

Of distinct and graceful habit, producing long sprays of beautiful large, double flowers, which are fine for cutting and excellent for the border. Height, 2 feet.

DOUBLE CARMINE—Bright carmine flowers, edged more or less with white. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE CHERRY RED—A beautiful rich color. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE CRIMSON—An intense crimson shade. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE MAUVE—An attractive shade of clear pinkish mauve. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE ROSE—A soft pink color with bright carmine center. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE ROSY MORN—A beautiful bright pink color. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE WHITE—Pure white. **Pkt., 10c; ¼ oz., 35c.**

Collection of one packet each of the above 7 sorts, 60c.

DOUBLE MIXED—**Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

SINGLE VARIETIES

DUKE OF YORK—Satiny crimson-carmine. Height 18 inches and splendid for cutting. **Pkt., 10c; ¼ oz., 35c.**

LORD ROBERTS—Darkest glowing red with white base; very fine, of compact habit. **Pkt., 10c; ¼ oz., 35c.**

ROSAMOND—Large glossy pink; compact. **Pkt., 10c; ¼ oz., 35c.**

SYBIL SHERWOOD—Bright salmon-pink softened by an undefined edging of white; 18 inches. **Pkt., 15c; ¼ oz., 50c.**

SEMI-DWARF VARIETIES—Splendid mixture of brilliant colors. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**



Double Godetia

GYPSOPHILA

(Baby's Breath)

A free flowering plant of easy culture. Grows 2 to 3 feet high, and bears a profusion of small star-shaped flowers. Sow the seed of the annual varieties in the open any time in the fall until early summer. Seeds of the perennial varieties should be started from early summer until fall for next season's bloom. Sow in boxes to transplant.

ELEGANS GRANDIFLORA—Improved annual white sort. Very largely grown by florists for use in bouquets. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

ELEGANS CARMINEA—A free-flowering variety with carmine-rose blossoms; 2 to 3 feet tall. **Pkt., 10c; oz., 35c.**

PANICULATA—Fine for bouquets; white flowers; perennial. **Pkt., 10c; ¼ oz., 25c.**

PANICULATA, DOUBLE SNOW WHITE—A fine double white flowering perennial sort. **Pkt., 25c; ¼ oz., 75c.**

HELICHRYSUM

A free flowering, hardy annual, growing 2 to 3 feet high and bearing beautiful straw-like flowers in a great variety of shades and colors. The stems are long and the blossoms large. It is the best and most satisfactory of the everlasting flowers and makes a very handsome dried bouquet. Sow the seed in boxes in early spring or in the open ground later in spring and thin out to at least 1 foot apart.

CANARY YELLOW.

SALMON.

FIREBALL—Bright scarlet.

SILVER BALL—Pure white.

GOLDEN BALL—Bronze shading to golden yellow.

ROSE QUEEN—Rich deep rose.

Each of above: **Pkt., 10c; ¼ oz., 30c.**

Collection of the above 6 sorts, 50c.

MONSTROSUM—Extra fine mixed. **Pkt., 10c; ¼ oz., 25c.**

HELIOPSIS

(Orange Sunflower)

PITCHERIANA—A hardy perennial growing 2 to 4 feet high, beginning to flower early and continuing the entire season. The flowers are deep golden yellow about 2 inches in diameter; of thick texture and very graceful for cutting. **Pkt., 10c; ¼ oz., 40c.**

HELIOTROPE

A half hardy perennial of very free flowering habit. The small flowers are borne in graceful clusters and are very fragrant. Blooms the first season from seed if sown early. Plant out after danger from frost.

REGAL (Dwarf Giant Flowered Heliotrope)—A very fine improved variety of dwarf habit with immense heads of flowers in various shades of blue. **Pkt., 20c; ½ oz., 50c.**

FINEST MIXED—A choice mixture. **Pkt., 10c; ½ oz., 40c.**

HEUCHERA

(Coral Bells)

SANGUINEA SPLENDENS—A low growing hardy perennial plant with heart-shaped leaves, which form a low clump 6 to 8 inches high and bearing during early summer, loose graceful sprays of coral-red flowers in great profusion; suitable for the border or rockery. **Pkt., 25c.**

SANGUINEA ROSEA—Pink. **Pkt., 25c.**

HIBISCUS

(Rose Mallow)

Shrub-like hardy perennial plants, 5 to 6 feet high with luxuriant foliage, producing throughout summer saucer shaped flowers of enormous size.

GIANT VARIETIES—RED, PINK, WHITE, (carmine eye)—Any of the above. **Per pkt., 10c; ¼ oz., 30c.**

GIANT MIXED—**Pkt., 10c; ¼ oz., 25c.**

GOLDEN BOWL—A half hardy perennial variety; flowers deep cream with velvety maroon center. 3 to 5 feet high. **Pkt., 10c; ¼ oz., 30c.**

HOLLYHOCK

Hollyhocks make a fine row in a garden, or a good background next to a building or high fence. These hardy perennials are of upright, stately growth, 5 to 8 feet high and flower in summer and fall.

DOUBLE VARIETIES—BRIGHT RED, CANARY YELLOW, ROSE-PINK, MAROON, NEWPORT PINK (Pure Pink), WHITE, SALMON-ROSE.

Any of the above. **Per pkt., 10c; ¼ oz., 65c.**

Collection of the above 7 sorts, 60c.

DOUBLE, ALL COLORS MIXED—**Pkt., 10c; ¼ oz., 50c.**

TRIUMPH MIXED—A new, early flowering strain containing a great variety of new colors. The double and semi-double flowers are gracefully waved and fringed. **Pkt., 15c; ¼ oz., 45c.**

ALLEGHENY FRINGED—The large flowers are single and beautifully fringed. All colors mixed. **Pkt., 10c; ¼ oz., 40c.**

SINGLE MIXED—**Pkt., 10c; ¼ oz., 25c.**

HONESTY

SATIN FLOWER (Lunaria)—The flat silvery seed pods are used for winter decoration. Free-flowering, hardy biennial. 2 feet. Sow seeds in the open in partial shade in summer or early fall. **Pkt., 10c; ¼ oz., 30c.**

HUMULUS

(Japanese Hop)

A rapid-growing, half hardy climbing annual with dense leaves. Will grow 20 to 30 feet in a season. Sow in the open from March to May.

JAPONICUS—Bright green foliage. **Pkt., 10c; ½ oz., 25c.**

JAPONICUS VARIEGATUS—Variegated foliage. **Pkt., 10c.**

HUNNEMANNIA

(Bush Eschscholtzia)

Seed sown in the open in April or early in May will, by the middle of July, produce plants covered with their large buttercup yellow, Poppy-like blossoms, and never out of flower until hard frost. The plants grow about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. Fine for cutting, remaining in good condition for several days.

FUMARIAFOLIA—The original single form which has become known as the Santa Barbara Poppy. **Pkt., 10c; ¼ oz., 25c.**

SUNLITE—An attractive semi-double form. **Pkt., 15c; ¼ oz., 40c.**

IMPATIENS

(Zanzibar Balsam)

HOLSTII HYBRIDS—A very attractive plant for pot culture. The branches are semi-transparent and the foliage is waxy green. A very free and continuous bloomer. Flowers come in different shades of pink, red and purplish violet. Sow in pots in a temperature of 60 degrees. **Pkt., 20c.**

SULTANI—Brilliant rosy scarlet. **Pkt., 20c.**

IPOMOEA

Ornamental climbers of rapid growth. Sow seeds in the open where they are intended to grow, in late spring after danger from frost. The seeds should be notched and soaked in warm water for a few hours before planting.

GRANDIFLORA (Moonflower)—At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly and will cover a large surface. **Pkt., 10c; ½ oz., 30c.**

HEAVENLY BLUE (Improved)—Large sky blue flowers, free bloomer and very beautiful. **Pkt., 15c; ¼ oz., 40c.**

IMPERIALIS—See under Morning Glory.

ROSE MARIE (New)—An early free flowering form of Ipomoea. Flowers are a beautiful shade of deep rose of double and semi-double form. **Pkt., 15c.**

KENILWORTH IVY

(Linaria Cymbalaria)

A hardy perennial trailing plant, with small lavender or purple flowers, especially adapted for hanging baskets or for trailing over walls. Sow the seed in boxes to transplant. **Pkt., 15c; ⅛ oz., 50c.**

LARKSPUR

Exceedingly popular and free flowering hardy annuals, growing 3 to 4 feet high, their long spikes of flowers on long stems rendering them of exceptional value for cutting purposes. They are of long continued bloom and very bright and showy. Sow in the fall or spring. Seed is slow in germinating, often taking 6 weeks or longer.

GIANT IMPERIAL LARKSPURS

A greatly improved strain of the Double-Stock Flowered Larkspur, of upright habit and branching from the base.

BLUE BELL—Clear light blue. **Pkt., 15c; ¼ oz., 40c.**

BLUE SPIRE—Intense deep blue. **Pkt., 15c; ¼ oz., 40c.**

CARMINE KING—Deep carmine-rose. **Pkt., 15c; ¼ oz., 40c.**

EXQUISITE PINK IMPROVED—Soft pink shaded salmon. **Pkt., 15c; ¼ oz., 40c.**

EXQUISITE ROSE—A beautiful shade of rose, several tones deeper than the preceding variety. **Pkt., 15c; ¼ oz., 40c.**

GLORIA—Deep rose. **Pkt., 15c; ¼ oz., 40c.**

LILAC SPIRE—A beautiful lilac color. **Pkt., 15c; ¼ oz., 40c.**

MISS CALIFORNIA—Deep pink shaded salmon. **Pkt., 15c; ¼ oz., 40c.**

WHITE SPIRE—Pure white. **Pkt., 15c; ¼ oz., 40c.**

Collection of 6 packets of any of the above varieties for 75c.

SUPERB MIXED—**Pkt., 15c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.**

DOUBLE STOCK FLOWERED

A very striking tall variety with splendid spikes of beautiful double flowers. Height, 3 feet.

AZURE BLUE—**Pkt., 10c; ¼ oz., 25c.**

DARK BLUE—**Pkt., 10c; ¼ oz., 25c.**

LA FRANCE—Salmon-pink. **Pkt., 10c; ¼ oz., 25c.**

LUSTROUS CARMINE—**Pkt., 10c; ¼ oz., 25c.**

PURE WHITE—**Pkt., 10c; ¼ oz., 25c.**

Collection of one each of the above 5 sorts, 45c.

ROSAMOND—Deep rose. **Pkt., 15c; ¼ oz., 40c.**

MIXED—An extra fine mixture. **Pkt., 10c; ¼ oz., 20c; oz., 50c.**



Larkspur

KOCHIA

(Summer Cypress)

TRICOPHYLLA—A half hardy annual, forming compact bushes about 2½ feet in height, with small feathery light green drooping foliage, which changes, as the summer advances, to a deep green, and to a crimson hue in September. Sow the seed in the spring and thin or transplant to 2 feet apart when well started. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

LATHYRUS

(Perennial or Everlasting Pea)

LATIFOLIUS—A hardy perennial climber. Leaves and stem smooth. Flowers resemble Sweet Peas, but are borne on strong stems, with 8 to 10 blossoms to the stem. Is not fragrant, but is hardy and showy, and thrives in any good soil.

CRIMSON, PINK BEAUTY, WHITE PEARL, or MIXED. Each; Pkt., 10c; ¼ oz., 30c.

LAVATERA

(Malloy)

SPLENDENS SUNSET—A showy and free flowering hardy annual 3 to 4 feet tall. Brilliant rosy carmine flowers. Splendid for large beds where they bloom all summer; fine for cutting. Sow from March to May where they are to bloom and thin out to 12 inches apart. **Pkt., 10c; ¼ oz., 25c.**

LAVENDER

(Lavandula Vera)

Chiefly cultivated for the delicious and lasting fragrance of its flower; succeeds in any common garden soil. Perennial. **Pkt., 10c; ¼ oz., 45c.**

LEPTOSYNE

(Sea Dahlia)

MARITIMA—A profuse blooming half hardy annual with large lemon-yellow Marguerite-like flowers on long stems, good for cutting; 2 feet. Requires a sunny situation. Sow from February to June. **Pkt., 10c; ¼ oz., 40c.**

LILIUM REGALE

The trumpet-shaped flowers are white, slightly suffused pink with a beautiful shade of canary yellow at the center. Hardy and delightfully fragrant. **Pkt., 15c; ¼ oz., 50c.**

LINARIA

MAROCCANA—Showy hardy annuals with small Snapdragon-shaped flowers. Grows 12 to 15 inches tall; desirable for edgings and rockeries. Sow the seed in the open ground in the fall for early bloom or any time in spring until July for later flowering.

Carmine Shades	Crimson and Gold	Lavender Shades
Chamois Shades	Golden Gem	Snow White

Each of above: **Pkt., 15c; ¼ oz., 25c.**

Collection of one packet each of above 6 colors for **75c.**

EXCELSIOR MIXED—**Pkt., 10c; ¼ oz., 25c; oz., 75c.**

FAIRY BOUQUET (New)—Compact plants 10 to 12 inches in height. Large flowers in a wide range of distinct colors. A gem for the border or rock garden. **Pkt., 15c; ¼ oz., 50c.**

LYCHNIS

Hardy perennial growing about 3 feet high and bearing bright-colored flowers in clusters. Of easy culture. Fine for permanent beds and borders. Sow the seed in boxes or in a hotbed to transplant.

ARKWRIGHTII—This new hybrid attains a height of 30 inches and produces an abundance of large flowers of brilliant colors varying from orange-scarlet to soft salmon-pink. **Pkt., 20c; ½ oz., 50c.**

CHALCEDONICA—Scarlet flowers. **Pkt., 10c; ¼ oz., 30c.**

HAAGEANA HYBRIDS—Mixed colors. **Pkt., 15c; ½ oz., 50c.**



Linaria, Excelsior

LINUM

(Flax)

RUBRUM (Scarlet Flax)—A hardy annual, about 1½ feet high. Of slender and graceful appearance, with smooth stems and bright red flowers which are borne in great profusion. Sow from February to June out of doors. **Pkt., 10c; oz., 35c.**

PERENNE—Bright blue, 18 inches tall; hardy perennial. **Pkt., 10c; ¼ oz., 25c.**

NARBONENSE—Azure-blue with white eye. Forms a spreading clump and is fine for the rockery; perennial. **Pkt., 20c.**

LOBELIA

A half hardy annual, growing 4 to 6 inches high; is of compact growth, and literally covered with small bright flowers. By cutting back the plants during the summer and giving plenty of water, they may be kept in flower for a long season. Used for ribbon work and borders or hanging baskets. Sow the seed in boxes from November to May and transplant when well started.

CAMBRIDGE BLUE (New)—Fine light blue flowers, compact habit, 6 inches; very free blooming. **Pkt., 25c; ¼ oz., 50c.**

CELESTIAL BLUE—Bright blue flowers with tiny white throats; foliage green; dwarf compact and very free flowering. **Pkt., 10c; ¼ oz., 40c.**

CRYSTAL PALACE COMPACTA—The variety most used for borders; deep blue flowers and dark foliage; 6 inches; a constant bloomer. **Pkt., 15c; ¼ oz., 50c.**

BLUE EMPEROR—Sky blue; compact. **Pkt., 10c; ½ oz., 40c.**

GRACILIS—Light blue; trailing. **Pkt., 10c; ½ oz., 35c.**

KERMESINA COMPACTA—A pretty crimson color with large white eye; very compact. **Pkt., 25c; ½ oz., 75c.**

SAPPHIRE—A superb variety of pendulous habit; large deep blue flowers with conspicuous white eye; suitable for window boxes and hanging baskets. **Pkt., 15c; ¼ oz., 35c.**

SPECIOSA—Deep blue; trailing, dark foliage. **Pkt., 10c.**

TENUIOR—Of upright habit; about 15 inches high, with large, deep blue flowers. Useful for pots. **Pkt., 15c; ¼ oz., 35c.**

WHITE GEM—(Compacta)—Snow white flowers. **Pkt., 10c.**

CARDINALIS (Queen Victoria)—A perennial sort growing 18 to 24 inches tall with spikes of deep crimson flowers; foliage, dark red. Succeeds best in moist ground. **Pkt., 35c.**



Marigold, Guinea Gold

LUPINE

Hardy annuals and perennials in great variety, growing from 1 to 4 feet high, and bearing spikes of Pea-shaped flowers. Sow in the open ground and thin to 6 inches apart.

ANNUAL SORTS

(Height, 2 feet)

WHITE, DARK BLUE, SKY BLUE, ROSE—Each; Per pkt., 10c; ½ oz., 25c; oz., 40c.

ANNUAL SORTS—Mixed. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

GIANT MIXED—An improved type, 3 to 4 feet tall. Pkt., 15c; ¼ oz., 25c.

NANUS—A showy California wild flower, 10 to 15 inches high; flowers rich blue with white markings. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

PERENNIAL SORTS

(Height, 4 feet)

POLYPHYLLUS WHITE—Pkt., 10c; ¼ oz., 25c.

POLYPHYLLUS BLUE—Pkt., 10c; ¼ oz., 25c.

POLYPHYLLUS MOORHEIMI—Pink and white. Pkt., 15c; ¼ oz., 40c.

POLYPHYLLUS NEW REGAL HYBRIDS—Tall, perennial variety in various colors. Pkt., 15c; ¼ oz., 50c.

MATHIOLA

BICORNIS (Evening-Scented Stock)—This hardy annual has purplish lilac flowers on long spikes, but is grown only for its fragrance, which it emits in the evening. 1 foot tall. Sow in the open any time in the fall until May. Pkt., 10c; ¼ oz., 20c; oz., 50c.

MATRICARIA

(Feverfew)

Free-flowering hardy perennial plants with small double button-like flowers. Sow seed in boxes to transplant from September to March.

GOLDEN BALL—Compact habit; suitable for edging; small double yellow flowers. Pkt., 15c; ¼ oz., 50c.

MARIGOLD

(Tagetes)

No garden is complete without Marigolds. They are easy to grow and bloom profusely from midsummer until after the first light frost. Sow in boxes to transplant from February to May.

NEW VARIETIES

CROWN OF GOLD—All American Gold Medal Winner! New Collarette type with Chrysanthemum-like crown. The color is bright golden orange and the foliage is entirely odorless. Height, 2 feet. Pkt., 35c.

CHRYSANTHEMUM FLOWERED HYBRIDS—Description on page 3. Pkt., 25c; ½ oz., 75c.

SUNSET GIANTS—Description on page 3. Pkt., 25c.

DIXIE SUNSHINE—Description on page 3. Pkt., 25c; ½ oz., 60c.

GUINEA GOLD—Semi-double flowers, 2 to 2½ inches in diameter, brilliant orange in color with broad wavy petals. Pkt., 15c; ¼ oz., 40c.

YELLOW SUPREME—Similar to Guinea Gold in a rich, creamy lemon-yellow. Pkt., 15c; ¼ oz., 45c.

DWARF FRENCH

(Height, 1 foot)

HARMONY (New)—Description on page 3. Pkt., 25c; ¼ oz., 50c.

DWARF DOUBLE GOLD STRIPED—Pkt., 10c; ¼ oz., 30c.

DWARF DOUBLE BROWN—Pkt., 10c; ¼ oz., 25c.

DWARF DOUBLE GOLDEN BALL—Pkt., 10c; ¼ oz., 25c.

MONARCH STRAIN MIXED—Pkt., 15c; ¼ oz., 50c.

DWARF DOUBLE MIXED—Pkt., 10c; ¼ oz., 25c; oz., 65c.

DWARF SINGLE FRENCH

(Height, 9 to 10 inches)

FIRE CROSS—Deep orange-yellow with a large crimson-maroon blotch on each petal. Pkt., 10c; ¼ oz., 25c.

LEGION OF HONOR—Single golden yellow flowers with velvety red centers; very dwarf. Pkt., 10c; ¼ oz., 25c.

SIGNATA PUMILA—A miniature variety forming very dwarf plants with fern-like leaves densely covered with small single orange flowers. Pkt., 10c; ¼ oz., 40c.

TALL FRENCH

(Height, 2½ feet)

ROYAL SCOT (New)—Gold, striped maroon. Pkt., 15c; ¼ oz., 50c.

TALL DOUBLE BROWN—Pkt., 10c; ¼ oz., 25c.

TALL DOUBLE LEMON—Pkt., 10c; ¼ oz., 25c.

TALL DOUBLE ORANGE—Pkt., 10c; ¼ oz., 25c.

TALL DOUBLE FRENCH MIXED—Pkt., 10c; ¼ oz., 25c; oz., 65c.

TALL SINGLE BROWN—An excellent cut flower. Pkt., 10c; ¼ oz., 25c.

AFRICAN FISTULOSA TYPE

(Large ball-shaped flowers; height, 2½ to 3 feet)

ORANGE PRINCE "EXTRA SELECT"—Pkt., 10c; ¼ oz., 40c.

LEMON QUEEN "EXTRA SELECT"—Pkt., 10c; ¼ oz., 40c.

AFRICAN MIXED—Pkt., 10c; ¼ oz., 25c; oz., 75c.

ALL DOUBLE ORANGE—An improved strain which produces practically one hundred per cent double flowers. Pkt., 15c; ½ oz., 40c.

ALL DOUBLE LEMON—Identical to the preceding variety except in color, which is a clear lemon yellow. Pkt., 15c; ½ oz., 40c.

ALL DOUBLE MIXED—Pkt., 15c; ¼ oz., 65c.

MAURANDIA

BARCLAYANA—Beautiful half hardy perennial climber for either garden or greenhouse; gemmed with Gloxinia-shaped flowers of rich rose. In bloom throughout the summer and fall. Sow seed from September to March. Pkt., 20c; ½ oz., 60c.

MECONOPSIS

BAILEYII—The new and beautiful blue Thibetan poppy. It is a graceful plant, with downy pale green leaves, the brilliant Cambridge-blue pendant flowers, 4 inches across, being carried singly on stems about 2 feet high. Hardy perennial, thriving best in a shaded position. Seed is very slow in starting and sometimes many months may elapse before seedlings appear. **Pkt., 25c; ½ oz., 50c.**

MIGNONETTE

(Reseda)

A fragrant hardy annual which grows easily from seed sown out in the garden and thinned to 4 or 6 inches.

GOLIATH "Extra Select"—Enormous red spikes, very fragrant. **Pkt., 10c; ¼ oz., 35c.**

GIANT FLOWERED MACHET—Broad heavy spikes closely set with large florets of a gray color, deliciously scented. **Pkt., 10c; ¼ oz., 25c.**

HALLAWELL'S TRIUMPH—A magnificent new Mignonette of tall-branching habit, sending up numerous large spikes thickly set with brilliant red florets. Unsurpassed for cutting. **Pkt., 15c; ¼ oz., 50c.**

SWEET SCENTED (Reseda Odorata)—The spikes are small, but very sweet scented. **Pkt., 10c; oz., 25c.**

MIMOSA PUDICA

(Sensitive Plant)

Curious pot plant with pinkish white flowers; the leaves close or droop when touched. Sow from February to May. **Pkt., 10c; ¼ oz., 25c.**

MIMULUS

A free-flowering, half-hardy perennial, growing from 6 inches to 1 foot high. Useful for window gardens and pot work or for garden in a moist, shady situation. Blooms first year from seed if sown early.

MOSCHATUS or MUSK PLANT—Small yellow blossoms, spotted lightly with brown. **Pkt., 15c.**

QUEEN'S PRIZE—An improved strain of *M. Tigrinus* or Monkey Flower. The large flowers are spotted in various colors. **Pkt., 15c; ¼ oz., 45c.**

MINA LOBATA

A beautiful free-blooming half hardy annual climber with scarlet and yellow flowers. Sow in the open in late spring after danger from frost. **Pkt., 10c; ⅛ oz., 40c; ¼ oz., 75c.**

MORNING GLORY

(Convolvulus)

Annual climbers of rapid growth which bloom for a long period and delight in sun. Soak the seed for two hours in warm water to hasten germination; sow late in spring.

TALL MIXED—Attain a height of 15 feet. **Pkt., 10c; oz., 20c.**

TALL DARK BLUE—**Pkt., 10c; oz., 25c.**

IMPERIAL JAPANESE—Very large flowers in a wide range of radiant colors with odd markings. 15 to 20 feet. **Pkt., 10c; oz., 30c.**

DWARF BLUE—Beautiful intense blue flowers on a dwarf bushy plant. A fine annual for edging or rock work. 1 foot. **Pkt., 10c; oz., 35c.**

MOONFLOWER—See *Ipomoea*.

NEMOPHILA

A hardy annual California wild flower, growing about 6 inches high. Has small cup-shaped blossoms in shades of blue and white. Sow in the open ground in the fall or spring.

INSIGNIS (Baby Blue Eyes)—Sky blue with white eyes. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.**

MACULATA—White with large deep purple blotch on each petal. **Pkt., 10c; oz., 35c.**

MIXED—**Pkt., 10c; oz., 30c.**

NASTURTIIUM

Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to foliage. This adds to their value for planting over many unsightly places. Do not water too much.

Sow the seed where it is to remain late in the spring after danger of frost is over. It is seldom necessary to thin the young plants, as they will bear standing close together.

DOUBLE VARIETIES

DOUBLE GOLDEN GLEAM—Large double, sweet scented golden yellow flowers which are borne profusely on long stems well above the bright green foliage of the semi-dwarf plants. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

DOUBLE GOLDEN GLOBE—Dwarf compact plants with double and semi-double sweet-scented golden yellow flowers. Unexcelled for rock gardens or borders. **Pkt., 15c; ½ oz., 25c.**

ORANGE GLEAM (New)—Glowing golden orange, semi-dwarf habit. **Pkt., 15c; ½ oz., 35c.**

DOUBLE SCARLET GLEAM—Large fiery orange-scarlet containing a percentage of double flowers; sweet scented. **Pkt., 15c; ½ oz., 40c; oz., 75c.**

SUPREME (New)—Salmon-cerise. **Pkt., 15c; ½ oz., 35c.**

DOUBLE GLEAM HYBRIDS—A mixture containing a percentage of double flowers. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25.**

GEM MIXTURE (New)—Dwarf compact gem-like plants. Excellent color range. **Pkt., 15c; oz., 35c; ¼ lb., \$1.00.**

TALL or CLIMBING VARIETIES

CHAMELEON—Various colors on one plant.

DARK CRIMSON—Velvety crimson.

FULGENS—Bright scarlet; dark foliage.

GOLD GARNET—Rich yellow, spotted garnet.

Any of the above Tall Sorts. **Per pkt., 10c; oz., 20c; ¼ lb., 50c.**

Collection of 6 packets of any of the above Tall Varieties, 50c.

TALL VARIETIES MIXED—All the above varieties, besides many others, in a splendid mixture. **Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.25.**

DWARF BEDDING VARIETIES

This type forms a small round bush 12 to 16 inches high.

CHAMELEON—Various colors on one plant.

CRYSTAL PALACE GEM—Yellow, spotted maroon.

EMPRESS OF INDIA—Fiery crimson; dark foliage.

GOLDEN KING—Rich golden yellow.

SALMON—Salmon shades.

SCARLET—Bright scarlet, dark leaved.

WHITE PEARL—Very light lemon.

Any of the above Dwarf Sorts. **Per pkt., 10c; oz., 20c; ¼ lb., 50c.**

Collection of 6 packets of any of the above Dwarf Varieties, 50c.

DWARF VARIETIES MIXED—A splendid mixture of all the above besides many other varieties. **Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.25.**

NICOTIANA

(Flowering Tobacco)

AFFINIS (Tuberosa-Flowered Tobacco)—Delightfully sweet-scented, pure white tubular flowers, blooming continually; half hardy annual; 2 to 3 feet. **Pkt., 10c; ¼ oz., 25c.**

AFFINIS, PINK SHADES—Sweet scented. **Pkt., 10c; ¼ oz., 25c.**

AFFINIS HYBRIDS—A new large flowering type with various bright-colored blossoms. **Pkt., 10c; ¼ oz., 25c.**

SANDERAE, CRIMSON KING—Dark velvety crimson-red. **Pkt., 10c; ¼ oz., 30c.**

NIGELLA

(Love-in-a-Mist)

A hardy annual, 18 inches high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed-pods. Of easy culture. Sow in the open in fall or spring.

MISS JEKYLL—A long-stemmed sort with beautiful Corn-flower-blue blossoms. **Pkt., 10c; ½ oz., 25c; oz., 40c.**



Pansy, Geneva Giant

PANSIES

(Select Strains)

Pansies thrive in a partially shaded location and in a loose soil, well enriched with decayed manure, which should be well dug into the soil. Seed should be sown in the fall for early spring blooming, and early in the year until May for flowers in the spring and summer. The seed may be sown in boxes and as soon as the plants are large enough to handle, transplant to stand 9 inches apart.

GIANT PANSIES

ALPENGLOW—Rich velvety red with three dark blotches. **Pkt., 25c; 1/16 oz., \$1.00.**

LAKE OF THUN or ULLSWATER—Rich ultramarine-blue with a dark blue blotch on each petal. **Pkt., 25c; 1/16 oz., \$1.00.**

RHINEGOLD—Golden yellow with deeper brown blotches on the three lower petals. **Pkt., 25c; 1/16 oz., \$1.00.**

GENEVA GIANTS (Roggli's Original Strain)—The flowers are of gigantic size and perfectly round and average 3 inches in diameter. The colors vary in reddish maroon, bronze, blue, purple and yellow; frequently with new color combinations. **Pkt. of 225 seeds, 50c; Pkt. of 400 seeds, 75c; 1/2 oz., \$1.50.**

STEELE'S JUMBO MIXTURE—Giant sized flowers in a fine wide range of bright colors. **Pkt., 50c; Large pkt., \$1.25.**

SUPER SWISS GIANTS MIXED—Flowers of mammoth size in a good range of colors; the rich dark colors predominating. **Pkt., 35c; 1/16 oz., \$1.00; 1/8 oz., \$1.85.**

HALLAWELL'S SUPERB MIXTURE—A bright colored mixture similar to Geneva Giants. **Pkt., 50c; Large pkt., \$1.25.**

PANSIES

(Continued)

LARGE PANSIES

ADONIS—Light blue.

BLACK.

CARDINAL—Brilliant red.

EMPEROR WILLIAM—Dark navy blue.

FIRE KING—Golden yellow, upper petals crimson.

GOLDEN QUEEN—Pure golden yellow.

LORD BEACONSFIELD—Lavender, heliotrope and purple.

PRINCE HENRY—Rich dark blue.

SNOWFLAKE—Pure white.

YELLOW KING—Golden yellow with dark eye.

Each of above: Pkt., 15c; 1/8 oz., 50c.

Collection of 6 packets of any of the above varieties for 75c.

PARISIAN MIXED—A large flowering type of Trimardeau Pansies containing a great many colors. **Pkt., 15c; 1/8 oz., 60c; 1/4 oz., \$1.00.**

MASTERPIECE (Select Strain)—These Pansies have a combination of rich velvety colors and attractive ruffled petals. **Pkt., 25c; 1/16 oz., 65c.**

PRIZE STRAIN—This is a mixture of the giant-flowered varieties, all the plain colors, faced sorts, ruffled edged, and rare sorts. **Pkt., 35c; 1/8 oz., \$1.00.**

NEMESIA

This free-blooming annual grows about 12 inches. The flowers of this improved strain come in all shades of purple, pale yellow, white, red, orange, pink and rose, spotted and blotched, making a splendid effect when planted in a bed or border. They are also used as a pot plant. Sow from February to May for summer blooming. In mild sections a sowing may be made in August or September for spring flowering.

STRUMOSA BLUE (New)—**Pkt., 20c; 1/8 oz., \$1.00.**

STRUMOSA ORANGE—**Pkt., 20c; 1/8 oz., 85c.**

STRUMOSA ROSE—**Pkt., 20c; 1/8 oz., 85c.**

STRUMOSA SCARLET—**Pkt., 20c; 1/8 oz., 85c.**

STRUMOSA GRANDIFLORA MIXED—Many beautiful colors. 10 to 12 inches tall. **Pkt., 15c; 1/8 oz., 50c.**

TRIUMPH MIXED—Compact form. 6 to 8 inches tall. **Pkt., 15c; 1/8 oz., 50c.**

BLUE GEM—Dwarf blue for edging. **Pkt., 20c; 1/8 oz., 85c.**



Nemesis, Strumosa Grandiflora

California customers please include Sales Tax

PETUNIA

No flower surpasses the Petunia for massing in beds. They do well sown in open border in spring or earlier in the cold frame or hotbed. Be careful not to cover the small seeds too deeply. Seeds of double varieties do not all produce double flowers; save the weaker seedlings, as they usually give the finest double flowers.

GIANT SORTS

RUFFLED GIANTS OF CALIFORNIA—Flowers of extraordinary size and substance and distinguished from the large flowering fringed section by the deep fluting, giving it the appearance as if artificially ruffled. **Pkt., 35c; Large pkt., 85c.**

GIANT SINGLE FRINGED—This differs from the preceding in having in addition to the ruffling, a very fine fringed edging, making a very handsome flower. **Pkt., 25c; Large pkt., 60c.**

DWARF GIANTS OF CALIFORNIA—A new dwarf strain of Ruffled Giants; flowers are large and beautifully colored with open throats well marked and veined. **Pkt., 50c; Large pkt., \$1.25.**

DAINTY LADY (New)—Fringed light yellow. (Complete description on page 3. **Pkt., 35c.**

MARTHA WASHINGTON—Compact plants 9 inches high, smothered with frilled blooms about 3 inches in diameter. Color is flesh pink with the center veined wine red. **Pkt., 25c.**

PRIDE OF PORTLAND—Deep rose-pink, fringed. **Pkt., 25c; Large pkt., 60c.**

SCARLET BEAUTY—Velvety scarlet shading to rose, fringed. **Pkt., 25c; Large pkt., 60c.**

THEODOSIA—Rosy pink with golden throat, fringed. **Pkt., 35c; Large pkt., 85c.**

VIOLACEA—Large velvety violet-blue, fringed. **Pkt., 50c; Large pkt., \$1.25.**

GIANT DOUBLE FRINGED—This strain produces a large percentage of double flowers in a splendid variety of colors. **Pkt., 50c; Large pkt., \$1.25.**

BALCONY PETUNIAS

A splendid free-flowering type either for bedding or window boxes. Flowers average 3 inches across.

BLACK PRINCE—Deep velvety Red. **Pkt., 25c; 1/8 oz., 75c.**

BLUE—Velvety indigo-blue. **Pkt., 15c; 1/8 oz., 75c.**

CRIMSON—Rich crimson. **Pkt., 15c; 1/8 oz., \$1.00.**

ROSE—Brilliant rose-pink. **Pkt., 15c; 1/8 oz., \$1.00.**

WHITE—Pure white. **Pkt., 15c; 1/8 oz., \$1.00.**

Collection of one packet each of the above 5 colors, 70c.

BALCONY MIXED—**Pkt., 15c; 1/8 oz., 75c.**

SINGLE BEDDING SORTS

CRIMSON—Compact. **Pkt., 15c; 1/8 oz., 50c.**

HEAVENLY BLUE—Silvery light blue flowers; varies somewhat in color; compact growth. **Pkt., 15c; 1/8 oz., 65c.**

INIMITABLE—A very free-flowering dwarf variety with single cherry red flowers striped with white. **Pkt., 15c; 1/8 oz., 50c.**

ROSE OF HEAVEN—Brilliant rose-pink, of compact growth. **Pkt., 15c; 1/8 oz., 50c.**

ROSY MORN "SELECT"—Soft, rosy pink with white throat; compact growth. **Pkt., 15c; 1/8 oz., 75c.**

SNOWBALL—Compact growing variety; flowers pure white. **Pkt., 15c; 1/8 oz., 50c.**

VELVETY BLUE—Rich violet-blue, splendid compact growing variety. **Pkt., 15c; 1/8 oz., 75c.**

LARGE-FLOWERED FINEST MIXED—Flowers of very choice colors, large size and free blooming. **Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 85c.**

GOOD MIXED—A complete mixture of all colors. **Pkt., 10c; 1/4 oz., 65c; oz., \$2.00.**

PINK GEM—A new strain of dwarf compact Petunias. Each plant forms a perfect ball 5 to 6 inches high, literally smothered with light pink blooms. **Pkt., 20c; 1/8 oz., 40c.**

ROSE GEM (New)—Similar in habit to Pink Gem. Color is a rich, deep rose. **Pkt., 50c; Large pkt., \$1.25.**



Petunia, Ruffled Giants

PENTSTEMON

One of the most satisfactory flowers for the hardy perennial border. Grows 2 feet high and will bloom the first season if seed is sown early.

GIGANTEUS—New giant variety, largest blooms in many rare shades. Extra fine strain. **Pkt., 15c; 1/8 oz., 45c.**

GIANT CARMINE SHADES—**Pkt., 25c.**

GIANT RED SHADES—**Pkt., 25c.**

GIANT ROSE SHADES—**Pkt., 25c.**

GIANT VIOLET SHADES—**Pkt., 25c.**

FINE MIXED—**Pkt., 10c; 1/8 oz., 60c.**

MINIATURE HYBRIDS—A new hybrid variety producing in great profusion small flowers in a good range of colors; very graceful and good for cutting. 2½ to 3 feet high. **Pkt., 20c; 1/8 oz., 45c.**

BLUE GEM—Flowers very bright blue; particularly desirable for rock garden. Height 1 to 2 feet. **Pkt., 15c; 1/8 oz., 50c.**

PHACELIA

CAMPANULARIA—A hardy California wild flower. The saucer-shaped flowers are a beautiful clear deep blue color with contrasting white stamens, and are produced in remarkable profusion. 9 inches high. **Pkt., 10c; 1/4 oz., 25c; oz., 75c.**

WHITLAVIA (Wild Canterbury Bell)—Large bell shaped flowers hanging in open, airy clusters; color violet-purple. Hardy annual 1 to 1½ feet high. Sow seed of both varieties in the open either in the fall or spring. **Pkt., 10c; 1/4 oz., 20c; oz., 60c.**

PHYSALIS

(Lantern Plant)

FRANCHETI—Ornamental plants growing 2 feet high with large pointed seed pods, which are yellow and change to a brilliant scarlet in the fall. Although a perennial it is usually grown as an annual. Start the seed early in frames and immediately after danger from frost transplant to the open in a warm sunny exposure; let the plants stand 1 to 2 feet apart in the row. **Pkt., 10c; 1/4 oz., 35c.**



Phlox, Giant Art Shades

PHLOX

DRUMMONDII—For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers throughout the summer. Sow the seed in boxes in the fall for early flowers, or in the open in spring, and thin to 6 inches.

GIANT ART SHADE MIXTURE—Pkt., 25c; ¼ oz., 85c.

CARNEA —Pale pink with rose center.	KERMESINA —Deep carmine with white eye.
CHAMOIS ROSE —Lovely chamois rose with tiny carmine eye.	PURE WHITE.
	SOFT LILAC.
	VIOLET.
COCCINEA —Deep, vivid scarlet.	YELLOW (Isabellina) —Primrose.

Each of above: Pkt., 10c; ¼ oz., 60c.

Collection of 6 packets of any of the above varieties for 50c.

FINE MIXED—A choice mixture of all colors of the larger types. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

CUSPIDATA MIXED—Starred and fringed. Pkt., 10c; ¼ oz., 65c.

PHYSOSTEGIA

A very pretty, hardy perennial, forming a dense bush 2 feet high and bearing freely during the summer, leafless spikes of tubular flowers.

VIRGINICA GIGANTEA—Lilac-pink flowers. Pkt., 15c; ⅛ oz., 50c.

VIRGINICA ALBA—Large white flowers. Pkt., 15c; ⅛ oz., 40c.

PLATYCODON

(Balloon Flower)

GRANDIFLORUM—Also known as *Wahlenbergia*. A free-flowing perennial of dense habit, 18 inches high, which is useful for rock garden and border. The balloon-shaped buds are interesting and almost as attractive as the steel blue, star-shaped flowers. In bloom from June to October. Pkt., 15c; ¼ oz., 50c.

POTENTILLA

(Cinquefoil)

Hardy perennial border plants with handsome strawberry-like foliage and of free blooming habit, continuing in bloom from spring until autumn. The flowers run mostly in shades of maroon, scarlet and orange, often beautifully banded with yellow. Height 1½ to 2 feet.

NEPALENSIS ROXANA—Brilliant salmon colored flowers with darker veins. Pkt., 25c; ⅛ oz., 40c.

FINE SINGLE MIXED—Pkt., 15c; ¼ oz., 50c.

PORTULACA

A creeping annual with thick stems and foliage, bearing brilliant colored cup-shaped flowers during the entire summer. This plant is suitable for rockeries and banks and will grow and bloom profusely in a dry, hot situation. In sowing, mix the seed with dry sand to insure an even distribution. Sow in the late spring when the ground is thoroughly warmed up.

GOLDEN YELLOW, WHITE, SCARLET (Single)—Any of these colors. Per pkt., 10c; ¼ oz., 40c.

SINGLE MIXED—A large variety of the most brilliant colors. Pkt., 10c; ¼ oz., 25c.

DOUBLE MIXED—The most brilliant shades and choice flowers. Pkt., 15c; ¼ oz., 75c.

PRIMULA

SINENSIS

The Chinese Fringed Primroses are very desirable for the greenhouse. Sow in April or May for winter blooming, cover lightly and keep moist. Transplant when second leaf appears and keep shifting plants as they grow.

GIANT SINGLE FRINGED VARIETIES—Excelsior Mixture. 100 seeds, Pkt., 35c.

STELLATA—A form of Chinese Primrose bearing large trusses of star-shaped flowers in many shades. Pkt., 35c.

OBCONICA

These are of the easiest culture in the greenhouse and also succeed well in the open border during the summer. Seed should be sown in good porous loam; they will not germinate well in any compost containing peat or leaf mold. If sown in February or March will bloom the same year.

FASBENDER—Deep glowing red, of the largest size. Pkt., 50c.

RHINE PEARL—Very large of a dark salmon-carmine. Pkt., 50c.

GIGANTEA—Crimson, Apple Blossom, Rose or Mixed. Pkt., 35c.

GRANDIFLORA MIXED—Pkt., 20c.

VARIOUS PRIMROSES

AURICULA—The Primrose of the Alps. Flowers variously colored; fragrant. Seed selected from prize flowers. Pkt., 25c.

BULLEYANA—The flowers shade from buff through apricot to orange and are quite distinct from those of any other hardy Primula. The plant is perfectly hardy and is also well worth growing in pots. Height, 2 feet. Pkt., 25c.

MALACOIDES—Small, light lilac flowers; very early and profuse bloomer. If sown in January or February will commence flowering from May to July, while by sowing in August a fine display of bloom can be obtained during the winter months. Pkt., 15c; ⅛ oz., 60c.

MALACOIDES TRUE ROSE—A new variety with rich, bright pink blooms. Pkt., 25c; Large pkt., 65c.

MALACOIDES SNOW QUEEN (New)—Large flowered pure white. Pkt., 35c; Large pkt., 85c.

PULVERULENTA BARTLEY STRAIN—A strong growing hardy Primula with numerous tiers of flowers in shades of pink, produced on sturdy tall stems. Valuable for shaded and damp places. Pkt., 35c.

POLYANTHUS—A hardy sort, blooming early in the spring. Colors mostly red and yellow. Choice Mixed. Pkt., 15c; ⅛ oz., 75c.

POLYANTHUS GIANT SUPERB MIXED—Extra choice strain, most carefully selected for habit, rich colors and size of bloom. Pkt., 25c; Large pkt., 65c.

POLYANTHUS GIANT MUNSTEAD STRAIN—Flowers of the largest size in fine shades of yellow and white. Pkt., 25c; ⅛ oz., 75c.

POLYANTHUS YELLOW—Golden yellow. Pkt., 25c; ⅛ oz., \$1.00.

VULGARIS—Yellow English Primrose. Pkt., 15c; ⅛ oz., 60c.

POPPY ORIENTAL

Majestic summer flowering hardy perennial plants with numerous leafy stems about 2½ feet high and large showy flowers having a conspicuous black blotch on each petal. The plants disappear in summer but appear again as soon as the weather becomes cool. Start seed during summer or early fall for next season's bloom. Sow in boxes or in the open ground and transplant when of suitable size.

ORIENTALE—Red, black blotch. **Pkt.**, 10c; ¼ oz., 50c.

PRINCE OF ORANGE—Orange-scarlet. **Pkt.**, 15c; ⅛ oz., 50c.

PRINCESS VICTORIA LOUISE—Salmon, varies in color. **Pkt.**, 15c; ⅛ oz., 75c.

ORIENTALE HYBRIDS—A splendid mixture of all shades. **Pkt.**, 10c; ¼ oz., 65c.

ICELAND (Nudicaule)

While these are hardy perennials, they flower the first year from seed if sown fairly early. The plants are of graceful compact habit with low fern-like foliage, from which issue slender stalks about 15 inches high, bearing their brilliant flowers in endless profusion. Most useful for cutting, for which purpose pick when in bud. If the seed pods are picked off they will continue in bloom the entire season.

THE EMPRESS (New)—Large flowered salmon-rose shades. **Pkt.**, 25c; ⅛ oz., 60c.

EL MONTE—A new variety with large flowers of deep tangerine-orange on strong, wiry stems. **Pkt.**, 15c; ⅛ oz., 60c.

PINK SHADES—Pink, salmon-pink and salmon shades. **Pkt.**, 15c; ⅛ oz., 60c.

GIANT WHITE—**Pkt.**, 15c; ⅛ oz., 50c.

GIANT YELLOW—**Pkt.**, 15c; ⅛ oz., 50c.

SUNBEAM MIXTURE—A large flowered and strong growing strain of Iceland Poppy. The colors are also very rich. **Pkt.**, 15c; ⅛ oz., 40c; ¼ oz., 65c.

SANDFORD'S GIANT STRAIN (New)—Immense flowers and very strong, long stems. A beautiful range of color. **Pkt.**, 25c; ⅛ oz., 60c; ¼ oz., \$1.00.



Iceland Poppies

ANNUAL POPPIES

Annual Poppies should be sown in the open ground where they are to remain. Seed may be sown any time from September to June.

THE SHIRLEY—Rose Pink. **Pkt.**, 10c; ½ oz., 30c; oz., 50c.

THE SHIRLEY—Deep Apricot. **Pkt.**, 10c; ½ oz., 30c; oz., 50c.

THE SHIRLEY—Sweet Briar, double rose-pink. Very fine. **Pkt.**, 10c; ¼ oz., 25c; oz., 75c.

THE SHIRLEY—Finest Mixed. **Pkt.**, 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

ELDORADO—A beautiful strain of double Shirley Poppies with showy, thin, crinkly petals containing many new salmon shades. Mixed Colors. **Pkt.**, 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

AMERICAN LEGION—An improved Flanders Poppy with large single flowers of a rich dazzling orange-scarlet color. 2 feet high. **Pkt.**, 10c; ½ oz., 30c; oz., 50c.

CARNATION FLOWERED MIXED—Large double fringed; all colors. **Pkt.**, 10c; oz., 30c.

PEONY FLOWERED MIXED—Large, double straight edged; all colors. **Pkt.**, 10c; oz., 30c.

PYRETHRUM

PARTHENIFOLIUM AUREUM or **GOLDEN FEATHER**—Small cut leaves of bright golden yellow. A hardy perennial, with bright foliage, much used for edging and borders. Seed can be sown in the fall or spring and transplanted. **Pkt.**, 10c; ¼ oz., 25c; oz., 75c.

SELAGINOIDES—Foliage bright golden yellow, finely serrated; fine for borders and edging. **Pkt.**, 10c; ¼ oz., 30c.

ROSEUM, IMPROVED SINGLE HYBRIDS—A hardy perennial bearing large Cosmos-like flowers with bright yellow centers; blooms in May and June and again in the fall and is one of the most graceful and long lasting cut flowers; 2 feet. A re-selected strain with rose and pink shades predominating with some reds and very few whites. **Pkt.**, 25c; ⅛ oz., 75c.

HYBRIDUM FL. PL.—Seeds saved from the finest double flowers; only a small percentage can be expected to come double the first year. Mixed Colors. **Pkt.**, 25c; ⅛ oz., 75c.

RANUNCULUS

These spring blooming plants grow 1 foot or more high and may be planted in a sunny or light shaded position. The flowers are double and semi-double, last well after cutting, and come in a wide range of brilliant colors. Sow seeds in boxes in the fall for bloom in the spring, or from February to June for the next spring's bloom. Separate shades (variable) of Scarlet, Orange, Pink, and Yellow: Each; **Pkt.**, 35c. Hallawell's New Hybrid Mixture: **Pkt.**, 25c; ⅛ oz., \$1.25.

REHMANNIA

PINK PERFECTION—A new and improved variety of this half hardy herbaceous perennial, with beautiful large bright rosy pink Gloxinia-like flowers. Suitable for pot culture or outdoors in a sheltered situation; 3 feet tall. Sow in boxes to transplant. **Pkt.**, 25c; ⅛ oz., 60c.

RHODANTHE (Everlasting)

A charming annual for winter bouquets. The blossoms should be gathered before fully expanded, and dried in the shade. In mild sections sow seed in the open from October to June. Pink, White or Mixed. Per **pkt.**, 10c; ¼ oz., 25c.

RUDBECKIA (Cone Flower)

KELVEDON STAR—Annual 3 feet in height. Flowers golden yellow with mahogany zone. **Pkt.**, 25c; ¼ oz., 65c.

BICOLOR SUPERBA—A free-flowering annual which produces an abundance of bright yellow flowers with a brown central disc; fine for cutting. Height, 2 feet. Sow the seed from February to May. **Pkt.**, 10c; ¼ oz., 25c.

MY JOY—Orange-yellow with rather small cone. Some flowers are over 5 inches in diameter. A striking addition to the annual Rudbeckias. **Pkt.**, 20c; ¼ oz., 75c.

PURPUREA GRANDIFLORA—A perennial variety with large, handsome crimson-purple flowers with dark central disc; 3 feet high. **Pkt.**, 15c; ¼ oz., 50c.



Salpiglossis

SALPIGLOSSIS

Highly ornamental half hardy annuals with large veined funnel-shaped flowers. Very showy in beds and borders and much prized for cutting. Height 3 feet. Sow seed early in the spring and transplant, or sow the seed where it is to remain, in April, and thin to 6 or 8 inches. Enrich the soil.

LIGHT BLUE and GOLD.

ROSE and GOLD.

PRIMROSE.

SCARLET and GOLD.

PURPLE and GOLD.

VELVETY RED.

Each of above: Pkt., 15c; $\frac{1}{8}$ oz., 30c.

Collection of one packet each of 6 colors, 75c.

EMPEROR MIXED—A very rich mixture. Pkt., 10c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 70c; oz., \$1.25.

SAINTPAULIA

(African Violet)

IONANTHA GRANDIFLORA—A free and long flowering greenhouse perennial pot plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful violet-blue with golden anthers resembling those of a single Violet. This strain has much larger flowers than the original variety. Pkt., 50c.

SANVITALIA

PROCUMBENS FL. PL.—An excellent annual edging plant growing 6 inches high, with small double yellow flowers produced in abundance all summer. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

SAPONARIA

(Bouncing Bet)

OCYMOIDES—A handsome dwarf trailing plant with bright rose colored flowers. Suitable for rock work or borders. Hardy perennial. Pkt., 15c.

VACCARIA—A pretty and useful annual variety, bearing an abundance of satiny pink flowers somewhat like an enlarged Gypsophila; fine for cutting; 2 feet tall. Sow in the open at intervals for a succession of bloom. Pkt., 10c; oz., 30c.

SALVIA (Flowering Sage)

The Scarlet Sage is usually treated as an annual. Start the seed indoors or in the hotbed early and set out plants when the weather has become warm. Other varieties are treated as perennials except Salvia Carduacea, which is an annual.

SPLENDENS (Scarlet Sage)—Beautiful bright scarlet; 3 feet. Pkt., 10c; $\frac{1}{4}$ oz., 75c.

FIREBALL—A more compact form of the above with brilliant red flowers. 18 inches. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

PATENS (Blue Sage)—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border or greenhouse; half hardy perennial; 2 feet. Pkt., 20c.

AZUREA GRANDIFLORA—A hardy perennial variety growing 3 to 4 feet and producing during late summer, panicles of pretty sky blue flowers in great profusion. Pkt., 15c.

FARINACEA BLUE BEDDER—A more compact form of this popular hardy perennial variety, making it more desirable for bedding. Flowers deep blue. Pkt., 25c.

CARDUACEA (Thistle Sage)—A hardy annual California wild flower with thistle-like woolly foliage and rich lavender flowers in large heads. 1 to 2 feet tall. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

SILENE PENDULA (Catchfly)

Pretty dwarf plants used mostly for borders, growing 6 inches high. A hardy annual, which is easily grown. Sow the seed in the fall or spring.

PINK, RED, WHITE, or MIXED. Each; Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SMILAX

A tender perennial twining climber with small glossy green leaves. Start seed under glass and transfer to a sheltered position after the weather has become warm. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SOLANUM (Jerusalem Cherry)

CLEVELAND RED—A popular pot plant for winter decoration. It is of dwarf branching habit and bears bright scarlet berries in great profusion. Pkt., 15c; $\frac{1}{4}$ oz., 30c.

STATICE (Sea Lavender)

Splendid hardy annuals, either for the border or rockery, producing all summer panicles of small flowers which can be dried and used for winter bouquets. Start the seed in boxes and when of suitable size transplant to a sunny position.

ROSEA SUPERBA, DARK BLUE, WHITE, or YELLOW—Each; Pkt., 10c.

MIXED—Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

SUWOROWII—A hardy annual variety producing long spikes of bright rose-colored flowers. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

LATIFOLIA—A hardy perennial variety with large branching heads of clear mauve flowers. Invaluable for the perennial border as well as for drying. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

CASPIA—One of the finest of the many varieties. Smaller flowers than Latifolia and of more delicate appearance in bouquet work. Color, pale lavender. Pkt., 15c; $\frac{1}{8}$ oz., 85c.

STOKESIA (Cornflower Aster)

A hardy perennial growing about 2 feet high, bearing 20 to 30 lavender Cornflower-like blossoms; in bloom from July until frost. Pkt., 15c; $\frac{1}{8}$ oz., 40c.

STREPTOCARPUS

Novel free-blooming greenhouse pot plants, remaining in bloom for a long period. Finest Hybrids Mixed. Pkt., 50c.

SCABIOSA

Sow the seed any time in the fall or spring, either in boxes to transplant or in the open ground. Scabiosas grow about 3 feet high, and come into bloom early in July, and continue without interruption until hard frost. Splendid for cutting.

ANNUAL

GIANT BLUE COCKADE—Deep azure-blue. **Pkt., 15c; ¼ oz., 50c.**

GIANT LOVELINESS—Varying tones of soft, delicate salmon-rose. **Pkt., 15c; ¼ oz., 50c.**

GIANT ROSETTE (New)—Beautiful deep rose suffused salmon. **Pkt., 25c; ½ oz., 75c.**

GIANT HYBRIDS—Giant size, including new rare colors. **Pkt., 15c; ¼ oz., 50c.**

AZURE FAIRY—Lavender-blue. **PEACH BLOSSOM**—Giant light pink.

FIRE KING—Rich rosy crimson. **SHASTA**—Mammoth pure white.

KING OF BLACKS—Reddish black. **MIXED**—**Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.**

Above separate colors: Pkt., 10c; ¼ oz., 30c.

Collection of 5 separate sorts, 45c.

HARDY PERENNIAL SORTS

CAUCASICA (Blue Bonnet)—One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; lilac-blue; 3 feet. **Pkt., 15c; ½ oz., 60c.**

COLUMBARIA—Fine orchid-pink flowers on long stems; spreading habit and very free flowering. Flowers slightly smaller than Caucasica, but a good companion. **Pkt., 15c; ½ oz., 75c.**

HOUSE'S HYBRIDS—An improvement over the Caucasica with larger flowers and longer stems. The colors range from light lavender to dark blue. **Pkt., 25c; ½ oz., \$1.00.**



Scabiosa, Loveliness



Schizanthus, Pansy Flowered

SCHIZANTHUS (Butterfly Orchid)

Extremely showy half hardy annual with fern-like foliage. The seed germinates readily and in a few weeks the plants are a mass of dainty flowers in a bewildering range of color. Unsurpassed for bedding as well as pot culture. During early spring sow the seed in boxes to transplant. In late spring the seed may also be sown in the open. For winter flowering in pots sow from July to September. Save the weaker seedlings as they usually produce the finest flowers.

HALLAWELL'S SELECT MIXTURE—An especially fine strain with very large, well shaped flowers, in a wide range of colors. They make splendid pot plants and are very useful in the flower border as the plants are compact and bushy. **Pkt., 25c; ¼ oz., 65c.**

	Per pkt.		Per pkt.
AMBER.....	25c	PINK.....	25c
CARMINE.....	25c	PURPLE.....	25c
MAUVE.....	25c	ROSE.....	25c

Collection of the above 6 sorts, \$1.25.

WISETONENSIS (Excelsior Strain)—A choice strain with large flowers in a wide range of colors. **Pkt., 25c; ¼ oz., 65c.**

MIXED—A mixture of the regular type. **Pkt., 10c; ¼ oz., 25c.**

PANSY FLOWERED

This new type of Schizanthus has already become very popular. The large, smooth-edged pansy-flowered blooms are remarkably substantial, while the many rich self-colors in shades of pink, crimson, mauve, purple, as well as white are extremely bright and attractive. **Mixture. Pkt., 35c; ¼ oz., 85c.**

SNAPDRAGON

(Antirrhinum)

Snapdragons are one of the best cut flowers, while for beds or borders they are a constant source of pleasure. They succeed best in a rather light soil in a sunny situation, and although perennial are best treated as annuals. For early flowering sow in the fall, protecting the plants from frost. Sown in spring, they will bloom from mid-summer until frost. The new varieties under normal conditions produce 85 per cent or more of plants that will be resistant to rust.

MAXIMUM TYPE

(Rust Resistant—Height, 3 to 4 feet)

- | | |
|---|---------------------------------------|
| CAMPFIRE—Luminous scarlet, yellow lip. | CRIMSON MONARCH—Rich crimson. |
| CANARY BIRD—Canary yellow. | FAIR LADY—Pink, white tube. |
| COPPER SHADES—Copper and bronze shades. | LOVELINESS—Soft rose pink. |
| | SALMON ROSE SHADES—Bright yellow lip. |
| | WHITE PEARL—Pearly white. |

Above separate colors: Pkt., 25c; $\frac{1}{8}$ oz., 85c.

Collection of 5 packets of any of above, \$1.00.

CHOICE MIXTURE—Pkt., 10c; $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00.

HALLAWELL'S SELECT MIXTURE—A selected strain containing many new shades. Pkt., 25c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.35.

INTERMEDIATE TYPE

(Rust Resistant—Height, 18 to 24 inches)

- | | |
|---------------------------------|------------------------------------|
| CARMINE ROSE—Rich carmine rose. | ORANGE SHADES—Light to deep tones. |
| INDIAN GIRL—Beautiful old gold. | RED BOY—Rich deep scarlet. |
| OLD GOLD SHADES—Art shades. | WILDFIRE—Bright orange scarlet. |

Above separate colors: Pkt., 15c; $\frac{1}{8}$ oz., 75c.

Collection one packet of each of the above separate sorts, 75c.

HALLAWELL'S INTERMEDIATE MIXTURE—Pkt., 15c; $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00.

SUPER MAJESTIC TYPE

(Rust Resistant—Height, 20 to 30 inches)
Description on Specialty page 4

- | | |
|--|---------------------------------------|
| AUTUMN GLOW SHADES—Old rose, yellow lip. | RED SHADES—Crimson, garnet, and ruby. |
| HARMONY SHADES—Terra cotta and yellow. | ROSE SHADES—Begonia-rose shades. |
| ORANGE SHADES—Deep and light shades. | SILVER PINK—Lovely clear pink. |

Above separate colors: Pkt., 25c; $\frac{1}{8}$ oz., 85c.

Collection of one packet each of 6 colors, \$1.25.

HALLAWELL'S SUPER MAJESTIC MIXTURE—Pkt., 25c; $\frac{1}{8}$ oz., 75c.

SUNFLOWER

(Helianthus)

Tender annuals, growing from 3 to 8 feet high. Of the easiest culture and suitable for a stately row or background. Plant when the ground is well warmed, in light soil and in a sunny position.

CHRYSANTHEMUM FLOWERED—Large, densely double, bright golden flowers. The plant branches and affords fine, long stout stems for cutting. 6 feet. Pkt., 10c; oz., 45c.

CUCUMERIFOLIUS STELLA—Of dwarf branching habit; grows about 3 feet high and blooms profusely throughout the summer; flowers single orange-yellow, with black center. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

CUCUMERIFOLIUS PERKEO—The plants form compact bushes about 18 inches high and are covered with small yellow blossoms with dark eyes all summer. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

RED HYBRIDS—Some flowers are a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, some being very large. Plants grow from 4 to 8 feet tall. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.



Snapdragon, Super Majestic

SWEET WILLIAM

A very desirable low-growing, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. Seed sown in boxes in the early summer or fall will bloom the first season.

SINGLE WHITE—Pure white. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SINGLE CRIMSON SHADES—Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SINGLE NEWPORT PINK—Brilliant salmon-rose. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SINGLE SCARLET BEAUTY—Bright scarlet. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SINGLE MIXED—Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 60c.

GIANT DOUBLE MIXED—Pkt., 10c; $\frac{1}{4}$ oz., 30c.

HOLBORN GLORY—This strain is a large-flowered selection of the auricula-flowered section. This variety contains a beautiful strain of light shades. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

SWEET WIVELSFIELD—See page 14.

STOCKS

EARLY GIANT IMPERIAL

An especially fine strain of Stocks, growing from twenty-four to thirty inches tall; of branching habit. Very free blooming and produces a high percentage of double flowers. Splendid for cutting; equally suitable for bedding.

ANTIQUE COPPER—Copper Red.	GOLDEN ROSE—Rose, golden sheen.
BUTTERCUP—Canary-yellow.	LAVENDER—Pure lavender.
CHAMOIS—Ivory, tinted old rose.	OLD ROSE.
DARK BLUE—Rich dark blue.	ROSE—Rose-pink.
FIERY BLOOD RED.	SANTA MARIA—Large pure white.
FLESH—Delicate pink.	SHASTA—Pure white; base-branching.

Each of above separate colors: Pkt., 15c; $\frac{1}{8}$ oz., 40c.

Collection of 6 packets of any of above, 75c.

CHOICEST MIXTURE—Pkt., 15c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.25.

SUPER GIANT IMPERIAL

This new type is a distinct improvement over the Giant Imperial group. The plants are base branching, producing a dozen or more huge flower spikes. There are at present three named varieties: Rose Charm (deep rose), Roselight (rose-pink), and Dark Blue. Each per pkt., 25c; $\frac{1}{8}$ oz., 85c.

GIANT PERFECTION

A splendid class that can be used for summer flowering, but for winter flowering is most valuable. They form much branched plants and have numerous spikes of large double flowers. For winter bloom sow from June to August.

AMERICAN BEAUTY—Deep rose.	HEATHAM BEAUTY—Rose shaded terra cotta.
PINK (Abundance)—Lavender-pink.	PALE BLUE (May Queen).
FLESH (Beauty of Nice).	WHITE (Snowdrift).
OLD ROSE (Belle of Naples).	YELLOW (Monte Carlo).
CRIMSON (Crimson King)	LAVENDER (Parma Violet).
	PURPLE (Summer Night).

Each of above separate colors: Pkt., 15c; $\frac{1}{8}$ oz., 65c.

Collection of 6 packets of any of the above varieties, 75c.

GIANT PERFECTION MIXED—Pkt., 15c; $\frac{1}{8}$ oz., 50c.

DWARF TEN WEEK

These large flowered Stocks grow to a height of 1 foot and are the leading class for bedding out for summer blooming. Sow the seed in the spring, in boxes or hotbed, and transplant to 1 foot apart.

BLOOD RED—Pkt., 10c.	LIGHT BLUE—Pkt., 10c.
BRIGHT PINK—Pkt., 10c.	PURE WHITE—Pkt., 10c.
FLESH PINK—Pkt., 10c.	PURPLE—Pkt., 10c.
CANARY YELLOW—Pkt., 10c.	MIXTURE—Pkt., 10c.

Each of above: $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 85c.

Collection 1 packet each of 7 separate colors, 60c.

GIANT EXCELSIOR (Improved Column Type)

These produce but one enormous spike 2 to 2½ feet high and can be planted close together.

CHAMOIS PINK—Apricot or chamois-pink.	OLD ROSE—Rich color.
DEEP ROSE—Brilliant deep rose.	RUBY—Rich crimson-red.
LILAC LAVENDER—Rich bright lavender.	WHITE—White faintly tinged pink.
	EXCELSIOR MIXTURE—Mixture of all colors.

Each of above: Pkt., 50c; $\frac{1}{8}$ oz., 65c.

Collection of 1 pkt. each of 6 colors, \$2.50.



Stock, Early Giant Imperial

BROMPTON or WINTER STOCK

Seed sown in July will produce plants that will bloom freely the following spring and summer. The Brompton is not strictly speaking a winter stock, but is known as such for its hardiness and the fact that it carries through the winter in colder climates. It is a sturdy grower, and withstands cold wet weather well. Height 20 to 24 inches.

EMPRESS ELIZABETH—Bright carmine.
VIOLETTA—Dark violet.

WHITE LADY—Very double, pure white.

SELECT MIXTURE—Mixture of all colors.

Each of above: Pkt., 20c; $\frac{1}{8}$ oz., 75c.

VIRGINIAN STOCK (Malcomia)

A hardy annual, growing about 6 inches high and blooming profusely. Of easy culture, and can be had in continuous bloom by sowing the seed at frequent intervals during spring and summer.

CRIMSON GEM—An erect, compact variety. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.

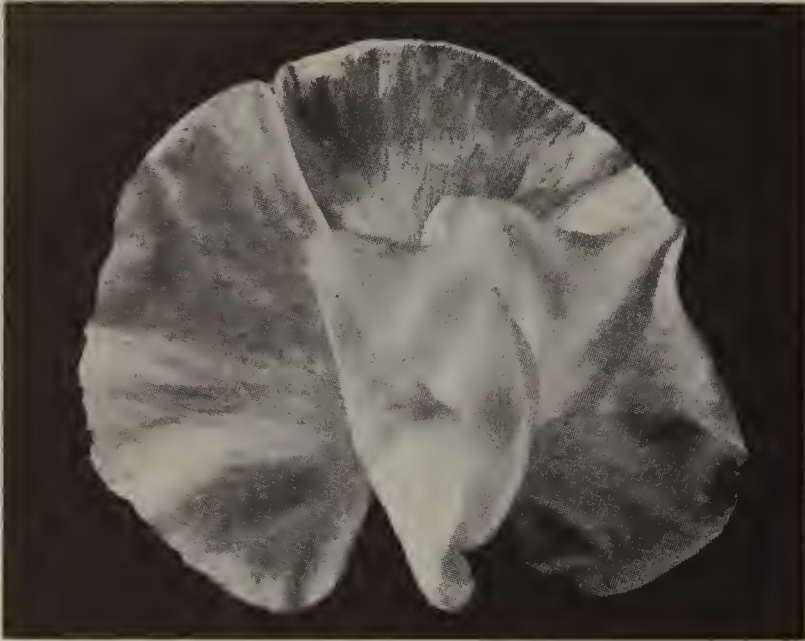
ROSE—Bright rose turning to lavender. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c.

WHITE—Pure white. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c.

MIXED COLORS—Pkt., 10c; Large pkt., 25c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

SWEET ROCKET (Hesperis)

Hardy perennial, growing 2 to 3 feet, bearing spikes of fragrant purple and white flowers. Purple or Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.



Spencer, Powerscourt



Spencer, Magnet

SWEET PEAS

Culture—Dig a wide trench to a depth of 12 inches and after breaking up the bottom of trench fill in with several inches of peat or leaf mold to which add a liberal amount of bone meal; fill in the balance of the trench with good top soil. Tamp the soil down firmly and water thoroughly to the base. Let stand a few days until moderately moist. **Never** put the seed in too wet soil. Rake off the surface nice and smooth, make rows and plant seed about once inch deep, and two inches apart. **Do not** water until all the seed is up, at least half an inch out of the soil. (Nine-tenths of the failures are caused by watering too soon.). Thin out to at least six inches apart and train on wire netting or strings when plants are five or six inches high. Applications of complete chemical fertilizers during flowering period will add to the length of stem and size of blossoms. Keep well cultivated and water only as needed during the blooming period, as excessive moisture will cause the buds to drop.

SPENCER OR ORCHID FLOWERED

PINK SHADES

- ASCOT—Large and well frilled flowers of a clear, deep bright pink.
 HAWLMARK PINK—Rich rose-pink, deeply flushed and shaded with salmon.
 PINKIE—Unusually large flowers and clear rose-pink.
 ROSIE—Giant flowered deep pink; of heavy texture and borne on long stout stems.
 MAYFAIR—Shell pink.

Each of above: Pkt., 10c; oz., 30c.

LAVENDER AND BLUE SHADES

- AMETHYST—Clear amethyst-blue, of extra large size and good form.
 AUSTIN FREDERICK IMPROVED—Giant lavender, very fine.
 CHIEFTAIN—Large clear satiny mauve (deep lavender).
 FORTUNE—Large violet-blue flowers of fine form.
 GLEN EAGLES—Lavender-blue, slightly deeper at center.
 POWERSCOURT—Clear pure lavender; the best lavender.
 R. F. FELTON—Pinkish lavender of immense size.

Each of above: Pkt., 10c; oz., 30c.

WHITE AND CREAM SHADES

- AVALANCHE—Glistening white of great substance.
 DAFFODIL—Large deep primrose. A dependable sprouter because black seeded.
 SEXTET QUEEN—Pure white; 5 to 6 blossoms on a stem.
 WHAT JOY—Primrose, shading to cream.

Each of above: Pkt., 10c; oz., 30c.

CREAM PINK SHADES

- BON-BON—Rich pink with a shading of amber; of large size and heavy texture.
 MAGNET—Salmon-pink on a deep cream ground; of fine size and form.
 MARY PICKFORD—A light and dainty cream-pink with a faint suffusion of salmon.
 PICTURE—Enormous waved and frilled flowers of a pretty creamy pink shade.

Each of above: Pkt., 10c; oz., 30c.

ORANGE AND SALMON PINK SHADES

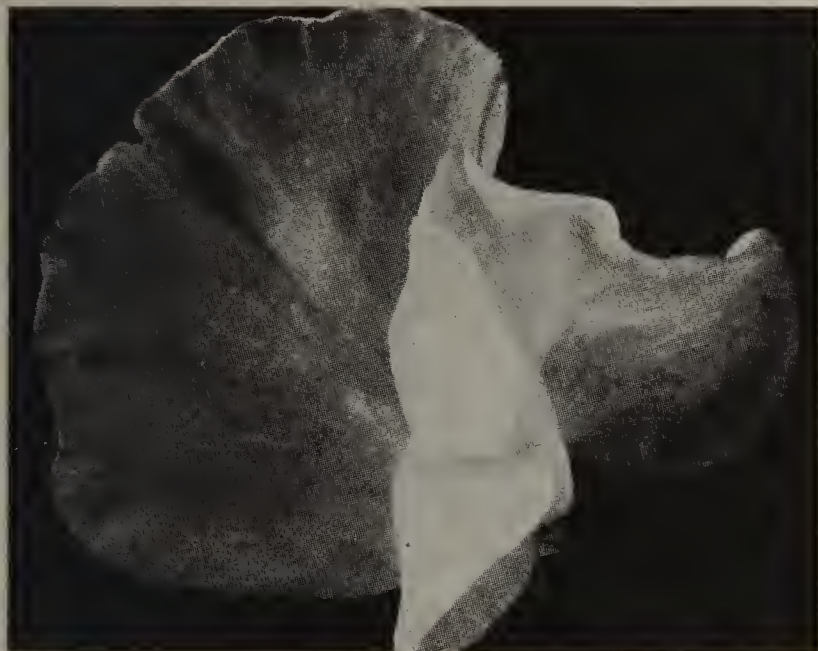
- CHARMING—Bright glowing rose with a scintillating salmon sheen; holds its color well.
 COLORADO—Bright orange; should be shaded when in bloom.
 GEORGE SHAWYER—Brilliant orange-pink.
 GOLD CREST—Orange tinted salmon; should be shaded when in bloom.
 ILLUMINATOR—Rose, suffused with salmon-orange; well waved.
 MRS. A. SEARLES—Orange-cerise merging into a soft oriental-red.
 SMILES—Glistening salmon shaded shrimp-pink which holds its color well.

Each of above: Pkt., 10c; oz., 30c.

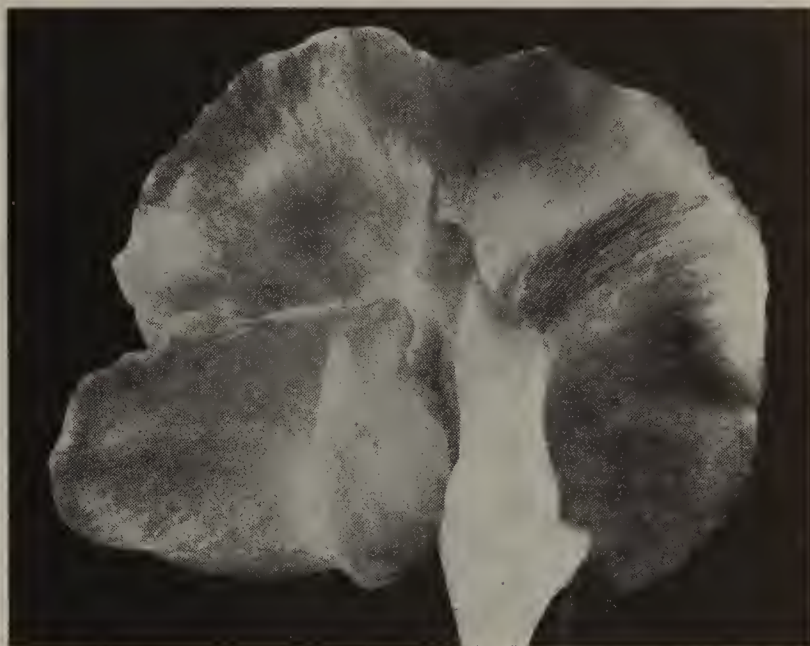
ROSE SHADES

- BRILLIANT ROSE—Bright rose.
 CORONA—A large flower of a pastel rose color.
 DAMASK ROSE—A beautiful rosy crimson shade; of splendid formation.

Each of above: Pkt., 10c; oz., 30c.



Early Spencer, Fragrance



Early Spencer, Shirley Temple

Spencer Sweet Peas (Continued)

MAROON AND PURPLE SHADES

OLYMPIA—Large wavy flowers of rich royal purple.

SPLENDOR—Reddish maroon of splendid form.

WARRIOR—A rich chocolate-maroon flushed with bronze; great form and size.

Each of above: Pkt., 10c; oz., 30c.

RED SHADES

CRIMSON KING—True crimson; large, bold flowers on long stems.

FLAMINGO—Brilliant orange-scarlet flowers shaded cerise, of large size and carried on long stems.

GRENADIER—Flowers of exceptionally large size, of Geranium-red color and quite sun-proof.

RED BOY—Pure rich deep crimson flowers of enormous size in fours on long stems; the best red.

SYBIL HENSHAW—Rich deep crimson.

WELCOME—A really sun-proof vivid deep scarlet.

Each of above: Pkt., 10c; oz., 30c.

PICOTEE

SUNKIST—Clear cream, edged rose; large wavy blossoms.

YOUTH—Large pure white with margin of clear pink. Developed especially for its fragrance; undoubtedly the most fragrant Sweet Pea ever introduced.

Each of above: Pkt., 10c; oz., 30c.

HALLAWELL'S SPENCER MIXTURE—This mixture is a beautiful blend of the best varieties of Spencers in the proper proportion and includes all the latest novelties. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.15; lb., \$2.00.

SUPERB COLLECTION—Consisting of fifteen of the best varieties of Spencers of our selection, \$1.00.
(For varieties see back cover of catalogue)

SPECIAL COLLECTION—Consisting of seven of the best Spencer varieties of our selection, 50c.
(For varieties see back cover of catalogue)

CUSTOMER'S SELECTION—Any six packets of the 10c per packet varieties, 50c.

CUPID MIXED—Very dwarf and bushy, growing 1 foot high and spreading to about 2 feet in diameter; very effective when planted in a border. Mixture of all varieties. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

McQUEEN'S INOCULATOR

A nitrogen gathering bacteria for inoculating Sweet Peas and Garden Peas. Garden Size, 15c, postpaid.

EARLY SPENCER SWEET PEAS (WINTER FLOWERING)

Early Spencer Sweet Peas are for winter blooming, either in the greenhouse where winters are severe, or out of doors in milder climates. Planted in the early fall under these conditions, they will bloom by Christmas or earlier. Or they may be planted as late as December to precede the Standard Spencers in flower. Sowings made in the spring will provide a fresh Sweet Pea crop to follow those from earlier plantings.

When the seed is sown during hot weather, a shading of muslin or burlap stretched a foot or so above the row, or a mulch of loose straw or twigs, will keep the soil cool and prevent decay of the seed.

	Per pkt.	Per ½ oz.	Per oz.
*APOLLO—Long stemmed soft salmon-cerise	\$.15	\$.35	\$.60
AVIATOR—Dazzling crimson-scarlet	.15	.30	.50
BALL ROSE IMPROVED—Rich rose-pink	.15	.30	.50
BLUE BONNET—Clear deep blue	.15	.30	.50
CANARY BIRD—Deep cream	.15	.30	.50
FRAGRANCE—Mammoth clear lavender	.15	.35	.60
GREETING—Long stemmed lavender	.15	.35	.60
*HARMONY—Clear lavender; of very vigorous habit	.15	.30	.50
HOPE—Pure white, black seeded	.15	.35	.60
JOSIE—Longest stemmed rose-pink	.15	.60	1.00
*LADDIE IMPROVED—Rose-pink	.15	.35	.60
LADY GAY—Soft shrimp-pink	.15	.30	.50
OTHELLO—Maroon	.15	.30	.50
PRIDE—Long stemmed cerise	.15	.35	.60
ROSE CHARM—Large bright rose	.15	.30	.50
SHIRLEY TEMPLE—New giant frilled, soft rose pink	.15	.50	.85
*SUNRAY—Glowing cerise with salmon sheen	.15	.30	.50
*SUSANNA—Long stemmed carmine-red	.15	.35	.60
VALENCIA—Sun-proof orange	.15	.35	.60
VULCAN—Vivid scarlet	.15	.30	.50
*WHITE HARMONY—Black seeded white	.15	.35	.60
WHITE ROSE—Pure white	.15	.35	.60
ZVOLANEK'S ROSE—Giant deep rose-pink	.15	.30	.50
Collection of 6 sorts marked * for 65c. Customer's selection of 6 sorts, 75c.			
HALLAWELL'S CHOICE MIXTURE	.15	.25	.40



Verbena, Apple Blossom

VERBENA

One of the most popular half-hardy perennial plants for summer bedding. Sown early in a hotbed, they commence to bloom in June and continue until frost.

GIANT FLOWERING

APPLE BLOSSOM—Immense heads of large, nearly white florets shading to cameo pink at the edges. **Pkt., 20c.**

LAVENDER GLORY—Immense lavender colored flower with a creamy white eye. Varies somewhat, a small percentage being pure white. **Pkt., 20c.**

LUCIFER—An intense deep cardinal-scarlet throughout. **Pkt., 15c.**

LUMINOSA—Luminous flame pink shading to salmon. **Pkt., 15c.**

ROSEA STELLATA—Rose-pink, white eye; large size. **Pkt., 15c.**

ROYALE—Royal blue, creamy yellow eye. **Pkt., 15c.**

WHITE—**Pkt., 15c.**

HALLAWELL'S GIANT MIXED—A wonderful mixture of extra large flowering varieties with conspicuous white eyes. **Pkt., 15c; 1/4 oz., 75c.**

MAMMOTH MIXED—**Pkt., 10c; 1/4 oz., 50c.**

ERINOIDES (Moss Verbena)—This lovely variety produces a mass of moss-like foliage, spreading over the ground like a carpet, above which are borne heads of purplish blue flowers in great profusion from June until frost. A very desirable rock plant. **Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c.**

VENOSA (Hardy Garden Verbena)—This variety is largely used for bedding purposes. It is a strong, thrifty grower, about 1 foot high and covered from early summer until late fall with its bright purplish Heliotrope-colored flowers. **Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c.**

THALICTRUM

(Meadow Rue)

DIPTEROCARPUM—A hardy perennial of vigorous growth, 4 to 5 feet high. The dainty rosy purple flowers are brightened by a bunch of conspicuous yellow stamens and are produced in graceful sprays from July until September. **Pkt., 25c; 1/8 oz., 45c.**

THUNBERGIA

(Black-Eyed Susan)

A tender annual trailing plant, growing about 4 feet long and valuable for low fences or hanging baskets. Prefers a sunny situation. Blossoms are buff, orange or white, with dark centers. **Mixed. Pkt., 10c; 1/4 oz., 30c.**

TITHONIA

(Mexican Sunflower)

SPECIOSA—This native annual of Mexico is one of the most useful late fall flowers we have, growing to a height of 8 to 10 feet, of free branching habit and is covered with orange-scarlet flowers until cut down by extreme frost. As a cut flower this will be highly prized for decorative purposes. Seed should be sown in April or May and planted out when 8 inches high. **Pkt., 15c; 1/4 oz., 60c.**

TORENIA

A half hardy annual, with trumpet-shaped flowers and growing 4 to 6 inches high; in bloom all summer. Good for hanging baskets or borders, or for bedding. Sow in boxes from February to May.

FOURNIERI—Velvety blue, with three dark spots of indigo and a bright yellow throat. **Pkt., 15c.**

WHITE WINGS—White, tinted with rose at throat. **Pkt., 15c.**

BAILLONII—Yellow with brown markings. **Pkt., 25c.**

TRACHELIUM

COERULEUM—A free flowering perennial producing large cloud-like heads of tiny pale mauve flowers; 1 1/2 feet. **Pkt., 25c.**

URSINIA

(Jewels of the Veldt)

ANETHOIDES NEW HYBRIDS—A brilliant colored Daisy-like half hardy annual from South Africa; the flowers remaining open until dark. The dwarf plants form large tufts of finely cut foliage from which spring up long wiry stems carrying flowers in yellow, flesh and orange shades over 2 inches in diameter, each with a purple zone around the center. Height, 1 foot. Sow the seed in boxes in early spring and transplant to a sunny position after danger from severe frost. **Pkt., 20c; 1/8 oz., 75c.**

VALERIAN

Showy plants for mixed borders or shrubberies, bearing large corymbs of bright flowers; bears shade and moisture well. Hardy perennial 2 1/2 feet. **Crimson, White, Rose or Mixed. Per pkt., 10c; 1/4 oz., 25c.**

VENIDIUM

FASTUOSUM—A half hardy South African annual about 2 to 3 feet high, with long serrated grayish hairy foliage and flowers 3 inches across of a most brilliant orange with dark center and maroon zone. Sow the seed in boxes in March or April and transplant to a sunny position. **Pkt., 25c.**

VERONICA

(Speedwell)

LONGIFOLIA—A hardy perennial producing long spikes of brilliant blue flowers; 2 feet high. Excellent for growing in shady places and requiring plenty of moisture. **Pkt., 15c.**

VIOLA (Tufted Pansies)

Very free-blooming hardy perennial plants. Flowers are not so large as in other varieties of Pansies, but are produced in much greater numbers and also bloom for a longer season. Valuable for edging beds and borders.

ARKWRIGHT RUBY—Dark crimson-scarlet with central markings. **Pkt., 35c; 1/8 oz., \$1.15.**

BLUE PERFECTION—Deep purplish blue. **Pkt., 15c; 1/8 oz., 75c.**

CHANTREYLAND—Pure apricot; free flowering. **Pkt., 25c; 1/8 oz., 85c.**

JERSEY GEM—Forms a large compact plant. The flowers are a deep violet-blue with an occasional very slight variation in tint. **Pkt., 25c; 1/2 oz., \$1.00.**

LUTEA GRANDIFLORA—Fine yellow. **Pkt., 15c; 1/8 oz., 50c.**

PAPILIO—Lavender with white eye. **Pkt., 15c; 1/8 oz., 60c.**

VIOLET PERFECTION—Papilio type. **Pkt., 15c; 1/8 oz., 60c.**

WHITE PERFECTION—Large white. **Pkt., 15c; 1/8 oz., 60c.**

MIXED COLORS—**Pkt., 10c; 1/8 oz., 60c.**

VIRGINIA STOCKS—See page 29.

VISCARIA

A beautiful hardy annual and one of the easiest to grow. The flowers are similar in shape to a single Pink; it is extremely free flowering and makes brilliant clumps in the border. Height, 1 foot. For summer flowering seed may be sown in the open from March until May, or in September and October for early flowering next season.

CANDIDA—Pure white. **Pkt., 10c; 1/4 oz., 30c.**

COMPACTA CARNEA—Delicate pink. 8 inches in height; also excellent as pot plants. **Pkt., 15c; 1/8 oz., 30c.**

DELPHINIUM BLUE—Pure bright blue. **Pkt., 15c; 1/8 oz., 35c.**

FIRE KING—Brilliant scarlet. **Pkt., 15c; 1/8 oz., 50c.**

OCULATA ROSE—Rich rose with darker eye. **Pkt., 10c; 1/4 oz., 30c.**

Collection of the above 5 sorts, 55c.

MIXED COLORS—**Pkt., 10c; 1/4 oz., 25c; oz., 75c.**



Viscaria



Viola, Blue Perfection

WALLFLOWER

An old fashioned perennial which is always popular. Grows 1 to 2 feet high and bears long stems of fragrant flowers. It is best to renew the plants every 2 or 3 years by resowing the seed. For extra early bloom next season, sow in May or June.

SINGLE BLOOD RED—**Pkt., 10c; 1/4 oz., 30c.**

SINGLE CLOTH OF GOLD—Rich golden yellow. **Pkt., 10c; 1/4 oz., 30c.**

SINGLE FIRE KING—Vivid orange. **Pkt., 10c; 1/4 oz., 30c.**

SINGLE GOLIATH—Large dark brown flowers; a splendid variety. **Pkt., 10c; 1/4 oz., 30c.**

SINGLE PRIMROSE—**Pkt., 10c; 1/4 oz., 30c.**

Collection of the above 5 sorts, 45c.

SINGLE EXTRA FINE MIXED—All colors. **Pkt., 10c; 1/4 oz., 20c; oz., 50c.**

DOUBLE EXTRA CHOICE MIXED—This mixture contains many beautiful colors. **Pkt., 15c; 1/8 oz., 85c.**

DOUBLE MIXED—**Pkt., 10c; 1/8 oz., 50c.**

PARISIAN—A single flowering type, which may be treated as an annual, flowering the first year from seed.

RED, YELLOW or MIXED—Per **pkt., 10c; 1/4 oz., 25c; oz., 75c.**

WILD FLOWERS OF CALIFORNIA

BARTONIA AUREA

CLARKIA ELEGANS

COLLINSIA

ESCHSCHOLTZIA CALIF.

GILIA CAPITATA

GODETIA AMOENA

LEPTOSYNE MARITIMA

LUPIN NANUS

NEMOPHILA INSIGNIS

PHACELIA CAMPANULARIA

PHACELIA WHITLAVIA

SALVIA CARDUACEA

Collection of one packet each of the above 12 best hardy sorts for \$1.00.

California Wild Flower Mixture. **Pkt., 10c; oz., 50c; 1/4 lb., \$1.50; lb., \$5.00.**

Mixture of Wild and Hardy Cultivated Flower Seeds. **Pkt., 10c; oz., 35c; 1/4 lb., \$1.00; 1/2 lb., \$1.65; lb., \$3.00.**

XERANTHEMUM

A bright and pretty "Everlasting" with silvery foliage and silky flowers in rose, white and purple, which are not only showy in the garden, but very useful as dried flowers in winter bouquets. Grows 2 to 3 feet high, can be sown in the open in spring. **Pkt., 10c; 1/4 oz., 25c.**



Zinnia, California Giant

ZINNIAS

The Zinnia is one of the most brilliant and showy of annuals, and has long been a general favorite. They come into flower early in the summer and keep on blooming until hard frost; half hardy. The seed should not be sown too early. March is quite early enough. Start in boxes in a warm place to be transplanted to a sunny position after danger from frost. Splendid Zinnias may be grown from seed sown in the open where the plants are to remain, after the ground becomes thoroughly warm. Seed may be sown until July for very late blooming.

Giant Dahlia Flowered

The plants of this new race are strong and of vigorous habit, fully 3 feet high, producing many flowers with stout stems, in a wide range of colors. The flowers in full bloom often measure 4 inches in depth and 6 to 8 inches in diameter, closely resembling Show Dahlias. Transplant from 12 to 15 inches apart each way.

CANARY BIRD—A bright shade of primrose-yellow. **Pkt., 15c.**
CRIMSON MONARCH—Rich crimson; flowers often eight inches in diameter. **Pkt., 15c.**

DREAM—Deep lavender turning to purple. **Pkt., 15c.**

EXQUISITE—Rich light rose with deeper rose center. **Pkt., 15c.**

GOLDEN DAWN—Deep golden yellow of immense size. **Pkt., 15c.**

GOLDEN STATE—A very rich orange-yellow. Yellow in the bud turning to an attractive orange. **Pkt., 15c.**

ILLUMINATION—Similar to Exquisite, but a striking self color of deep rose. **Pkt., 15c.**

ORIOLE—Immense flowers of orange and gold. **Pkt., 15c.**

POLAR BEAR—Very large pure white. **Pkt., 15c.**

SCARLET FLAME—Scarlet with a blending of orange throughout the petals. **Pkt., 15c.**

YOUTH—Light flesh. **Pkt., 15c.**

Any of the above varieties, $\frac{1}{4}$ oz., 45c.

Collection of 6 packets of any of the above varieties for 75c.

HALLAWELL'S SPECIAL MIXTURE—A well blended mixture containing all the very best sorts. **Pkt., 15c; $\frac{1}{4}$ oz., 45c; $\frac{1}{2}$ oz., 75c; oz., \$1.35.**

California Giant

A special strain which produces flowers of enormous size with smaller flat centers and more loosely placed petals. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance. The plants are of vigorous and free blooming habit, fully 3 feet high and should be set 12 to 15 inches apart.

ENCHANTRESS—Light rose, deep center. MISS WILLMOTT—Soft pink.

GOLDEN QUEEN—Golden yellow. ORANGE KING—Burnt orange.

GRENADE—Rich dark red. PURITY—Pure white.

LAVENDER GEM—Deep lavender. ROSE QUEEN—Bright rose.

SCARLET QUEEN—Glowing scarlet.

Any of the above varieties, **Pkt., 15c; $\frac{1}{4}$ oz., 45c.**

CALIFORNIA GIANT FINEST MIXED—**Pkt., 15c; $\frac{1}{4}$ oz., 45c; $\frac{1}{2}$ oz., 75c; oz., \$1.35.**

Lilliput or Pompon

A pretty type of compact habit not over 15 inches high, bearing in great profusion small, densely double flowers on long stems, held well above the foliage. Makes a good border or bed and is of more than usual value for cutting. Transplant 8 inches apart each way.

Per pkt.		Per pkt.
CANARY YELLOW 10c		SALMON ROSE 10c

GOLDEN ORANGE 10c		WHITE GEM 10c
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CRIMSON GEM 10c		SCARLET GEM 10c
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Any of the above colors, $\frac{1}{4}$ oz., 35c.

Collection of the above 6 sorts, 50c.

DOUBLE LILLIPUT or POMPON MIXED—**Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., 85c.**

Fantasy Mixture

Description and listing on Specialty page 4. **Pkt., 20c; $\frac{1}{4}$ oz., 60c.**

Haageana Hybrids

(Mexicana or Miniature Zinnias)

See Specialty page 4 for description. **Pkt., 15c; $\frac{1}{4}$ oz., 60c.**



Zinnia, Dahlia Flowered

CLASSIFICATION OF FLOWER SEEDS

HEIGHTS

ANNUALS

Tall—2½ Feet and Up

Amaranthus	Larkspur, Annual	Salpiglossis
Aster	Lavatera Sunset	Scabiosa
Calliopsis	Marigold,	Snaptadragon,
Celosia, Tall	Tall French	Maximum
Cleome	Marigold,	Stocks
Cornflower	Tall African	Sunflower
Cosmos	Nicotiana	Tithonia
Helichrysum	Poppy, Double	Zinnia, Giant
Kochia	Rudbeckia	

Medium—1 to 2 Feet

Ageratum,	Dimorphotheca	Mathiola
Blue Perfection	Eschscholtzia, or	Mignonette
Alonsoa	California Poppy	Nasturtium, Dwarf
Anchusa	Euphorbia	Nigella, or
Arctotis Grandis	Variegata	Love-in-a-Mist
Aster	Four-O'Clock	Petunia
Balsam	Gaillardia	Poppy
Bartonia Aurea	Gilia	Phlox
Browallia	Godetia	Saponaria Vaccaria
Calendula	Gypsophila	Schizanthus
Candytuft	Hunnemannia,	Snaptadragon,
Centaurea	or Bush	Intermediate
Imperialis	Eschscholtzia	Statice
Chrysanthemum	Leptosyne	Stocks, Ten Weeks
Clarkia	Linum, Scarlet Flax	Viscaria
Collinsia	Lupines	Zinnia, Pompon
Dianthus	Marigold,	
Didiscus	Dwarf French	

Dwarf—6 to 12 inches

Ageratum, Dwarf	Godetia, Semi-	Phacelia
Alyssum	Dwarf	Portulaca
Anagallis	Linaria Maroccana	Sanvitalia
Brachycome	Lobelia Compacta	Silene
Browallia, Sapphire	Marigold, Signata	Sweet Peas, Cupid
Calliopsis Tiger	Nemesia	Torenia
Star	Nemophila	Ursinia
Candytuft, Dwarf	Pansy	Virginia Stocks
Celosia, Dwarf	Petunia, Compact	Viscaria, Compacta
Convolvulus Minor		

PERENNIALS

Tall—2½ Feet and Up

Anchusa	Hibiscus	Rudbeckia
Campanula, Tall	Hollyhock	Salvia Azurea
Castor Oil Bean	Honesty	Salvia Splendens
Chelone	Larkspur,	Salvia Farinacea
Dahlia	Perennial	Scabiosa
Delphinium	Lavender	Caucasica
Digitalis	Lobelia	Sweet Rocket
Geranium	Cardinalis	Thalictrum
Heliopsis	Lupines	Valerian
Heliotrope	Poppy, Oriental	

Medium—1 to 2 Feet

Agatheia	Coreopsis	Platycodon
Agrostemma	Cynoglossum	Poppy, Iceland
Asclepia	Dahlia, Dwarf	Potentilla
Begonia, Fibrous	Hybrids	Pyrethrum
Rooted	Daisy, Shasta	Grandiflorum
Begonia,	Forget-Me-Not	Rehmannia
Tuberous	Gaillardia	Salvia Patens
Candytuft,	Geum	Scabiosa
Perennial	Gerbera	Columbaria
Carnation	Heuchera	Stocks, Brompton
Centaurea	Sanguinea	Sweet William
Montana	Linum Perenne	Trachelium
Cheiranthus	Lychnis	Verbena
Cineraria	Meconopsis	Veronica
Columbine	Pentstemon	(Speedwell)
	Physostegia	Wallflower.

Dwarf—6 to 12 inches

Alyssum Saxatile	Cerastium	Matricaria,
Anemone	Daisy, English	Golden Ball
Arabis	Dianthus	Primula,
Aubrietia	Plumarius	Polyanthus
Campanula	Diascia	Pyrethrum,
Carpatica	Forget-Me-Not	Golden Feather
Centaurea,	Freesia	Ranunculus
Dusty Miller		Viola

FOR SPECIAL PURPOSES

FOR CUT FLOWERS

Acroclinium	Dahlia	Phlox
Anemone	Delphinium	Poppy, Iceland
Arctotis	Didiscus	Pyrethrum
Aster	Gaillardia	Ranunculus
Brachycome	Gerbera	Rhodanthe
Calendula	Godetia	Salpiglossis
Calliopsis	Gypsophila	Scabiosa
Candytuft	Helichrysum	Shasta Daisy
Carnation	Heuchera	Snaptadragon
Celosia	Hunnemannia	Statice
Centaurea	Larkspur	Stock
Chrysanthemum	Lupine (Per.)	Sunflower
Cineraria, Stellata	Marigold	Sweet Peas
Coreopsis	Mignonette	Thalictrum
Cornflower	Pentstemon,	Zinnia
Cosmos	Miniature	

FOR SHADE (*), OR PARTIAL SHADE

Begonia	Forget-Me-Not	Pansies
*Calceolaria	Foxglove	Pentstemon
*Cineraria	Heuchera	Primula
Clarkia	Kenilworth Ivy	Snaptadragon
Collinsia	*Meconopsis	Thalictrum
*Columbine	Mignonette	*Valerian
*Cyclamen	*Mimulus	Viola
Cynoglossum	Nemophila	Wallflower

GREENHOUSE PLANTS

Achimenes	Cineraria	Mimosa
Asparagus Fern	Coleus	Nemesia
Begonia, Tuberous	Cyclamen	Physalis
Begonia, Fibrous	Diascia	Primula
Rooted	Exacum	Rehmannia
Browallia Major	Gesneria	Saintpaulia
Calceolaria	Gloxinia	Schizanthus
Celosia, Glasgow	Impatiens	Solanum
Prize	Linaria "Fairy	Streptocarpus
Celosia, Pride of	Bouquet"	Torenia
Castle Gould	Lobelia Tenuoir	Viscaria, Compacta

FOR ROCKERIES

Abronia Umbellata	Dianthus Deltoides	Pentstemon,
Alyssum Saxatile	Diascia	Blue Gem
Arabis	Forget-Me-Not	Portulaca
Aster,	Heuchera	Sanvitalia
Sub-Coeruleus	Sanguinea	Saponaria
Aubrietia	Iberis	Ocymoides
Cerastium	Kenilworth Ivy	Statice Latifolia
Dianthus Caesius	Lobelia, Trailing	Thunbergia
		Verbena

FOR WINDOW BOXES

Agatheia	Forget-Me-Not	Nasturtium
Alyssum	Geranium	Nemesia
Arabis	Heuchera	Pansy
Asparagus Fern	Kenilworth Ivy	Petunia
Begonia	Lobelia	Verbena
Dianthus	Mimulus	Viola

ANNUAL VINES

Scarlet Runner Bean	Dolichos	Mina Lobata
Canary Bird Vine	Gourds, Ornamental	Moonflower
Cardinal Climber	Humulus, or	Nasturtium, Tall
Cypress Vine	Japanese Hop	Sweet Peas
Convolvulus,	Ipomoea	
Morning Glory		

PERENNIAL VINES

Australian Pea Vine	Lathyrus Latifolius	Smilax
Cobaea Scandens		

EVERLASTING FLOWERS

Acroclinium	Honesty	Statice
Gomphrena	Rhodanthe	Xeranthemum
Helichrysum		

Seasons to Sow Flower Seeds in Central California

(Reference to lower left column on inside front cover will assist in adapting this table to other sections as well)

This list enables one to tell at a glance when the various flower seeds may be sown. As some perennials will bloom the same season if sown early in the year, we have stated the latest time in spring that they may be sown for this purpose. Several varieties of hardy annuals if sown in the fall will come into bloom earlier than if sown in the spring, even if the plants do not make much progress during the cold weather. Tender and half hardy annuals, if sown early, should be started in a warm, sheltered position and transplanted when the cold weather is over.

HA—Hardy Annual.
HP—Hardy Perennial.

TP—Tender Perennial.
HHA—Half Hardy Annual.
HB—Hardy Biennial.

HHP—Half Hardy Perennial.
TA—Tender Annual.

Abronia HP	August to March	Gaillardia HHA	February to May
Achimenes TP	Feb. to April, June to Aug.	Gaillardia HP	June to March
Acroclinium HA	September to June	Gerbera HHP	March to September
Agatheia HP	May to September	Gesneria TP	Jan. to Mar., June to Aug.
Ageratum HHA	February to May	Geum HP	June to March
Agrostemma HP	June to March	Gilia HA	September to June
Alyssum HA	All year round	Gloxinia	Jan. to Mar., June to Aug.
Alonsoa HHA	February to May	Godetia HA	September to June
Amaranthus TA	February to May	Gomphrena HHA	February to May
Anagallis HA	September to June	Gourds TA	April and May
Anchusa HP	May to September	Gypsophila Elegans HA	October to July
Anchusa HA	August to March	Gypsophila Paniculata HP	May to September
Anemone HP	March to July		
Arabis HP	May to September	Helichrysum HA	February to May
Arctotis HA	September to May	Heliopsis HP	May to September
Asparagus	January to May	Heliotrope HHP	August to March
Aubrietia HP	May to September	Heuchera HP	May to September
Australian Pea Vine HHP	May to September	Hibiscus HP	May to September
Aster HHA	February to June	Hollyhock HP	May to September
Aster Perennial HP	May to September	Honesty HP	May to September
		Humulus (Japonicus) HHA	March to May
Balloon Vine TA	March 15 to May	Hunnemannia TA	April to June
Balsam TA	February to June		
Bartonia HA	September to May	Impatiens TP	March to June
Begonia	Jan. to March, June to Aug.	Ipomoea (Moonflower) HHA	March 15 to May
Brachycome HA	February to June		
Browallia HA	February to June	Kenilworth Ivy HP	May to September
Calceolaria	June to September	Kochia HA	February to May
Calendula HA	All year round		
Calliopsis HA	February to June	Larkspur HA	September to April
Campanula HP	May to September	Lathyrus HP	May to October
Canterbury Bells HB	April 15 to August 15	Lavatera Splendens HA	March to May
Canterbury Bells, Annual	September to February	Lavender HP	May to September
Canary Bird Flower TA	March 15 to June	Leptosyne HHA	February to June
Candytuft HA	All year round	Linaria Maroccana HA	September to July
Candytuft HP	May to September	Linum Scarlet Flax HA	February to June
Canna HP	February to June	Lobelia HHA	November to May
Cardinal Climber TA	April and May	Lupin HA	September to May
Carnation HP	August to March	Lupin HP	June to March
Castor Bean HHP	March to June	Lychnis HP	May to September
Celosia (Cockscomb) TA	February to May		
Centaurea Sweet Sultan HA	September to March	Marigold HHA	February to May
Cerastium HP	May to September	Mathiola HA	September to May
Cheiranthus HB	August to March	Matricaria HP	September to March
Chrysanthemum HA	February to June	Maurandia HHP	September to March
Chelone HP	May to September	Meconopsis HP	March to September
Cineraria HHP	May to Oct., Dec. to Mar.	Mignonette HA	All year round
Clarkia HA	September to June	Mimosa (Sensitive Plant)	February to May
Cleome TA	March 15 to May	Mimulus HHP	September to March
Cobaea HP	August to March	Mina Lobata HHA	March 15 to May
Coleus TP	March to May	Momordica HHA	March 15 to May
Collinsia HA	September to May	Morning Glory HHA	March 15 to May
Columbine HP	April to September		
Coreopsis HP	August to March	Nasturtium TA	March 15 to June
Cornflower or Bachelor's Button HA	September to May	Nemesia HHA	Feb. to June, Aug. & Sept.
Cosmos HHA	February to June	Nemophila HA	September to March
Cyclamen TP	August to March	Nicotiana HHA	February to May
Cynoglossum HB	June to March	Nigella HA	September to May
Cypress Vine TA	March 15 to May		
Dahlia HHP	January to March	Pansy, for spring blooming HA	July to October
Daisy HP	August to March	Pansy, for summer and late blooming HA	February to May
Daisy, Shasta HP	May to September	Pentstemon HP	July to March
Delphinium HP	June to November	Petunia TP	January to May
Dianthus (Pinks) HA	September to May	Phacelia HA	September to June
Dianthus HP	May to September	Phlox HA	September to May
Diascia HP	August to March	Physalis TA	February and March
Didiscus HHA	February to June	Physostegia HP	May to September
Dimorphotheca HHA	February to June	Platycodon HP	May to September
Dolichos, Hyacinth Bean TA	March to May	Poppy, Annual	September to June
Eschscholtzia (Calif. Poppy) HA	September to May	Poppy, Iceland HP	August to March
Euphorbia TA	February to May	Poppy, Oriental HP	May to September
Exacum TA	Mar. & April, Aug. to Sept.	Portulaca HA	April to June
Forget-Me-Not HP	June to November	Potentilla HP	May to September
Four O'Clock HA	February to April	Primrose, Hardy Sorts	May to September
Foxglove (Digitalis) HP	May to September	Primula, Greenhouse Sorts	February to May
Freesia HP	February to August	Pyrethrum (Golden Feather) HP	September to March
		Pyrethrum Hybrids HP	May to September

Seasons to Sow Flower Seeds—Continued

Ranunculus HP July to Nov., Feb. to Apr.
 Rehmannia HHP May to September
 Rhodanthe HA October to June
 Rudbeckia, Annual February to May
 Rudbeckia HP May to September

Saintpaulia TP Jan. to Mar., June to Aug.
 Salpiglossis HHA February to May
 Salvia Splendens HHP February to April
 Salvia HP May to September
 Sanvitalia HA February to May
 Saponaria Ocymoides HP May to September
 Saponaria Vaccaria HA August to May
 Scabiosa HA August to May
 Schizanthus HHA February to June
 Schizanthus, for winter blooming
 in pots HHA July to September
 Silene HA August to April
 Smilax TP All year round
 Snapdragon, for spring bloom HA August to November
 Snapdragon, for summer and fall
 bloom HA February to April
 Solanum (Jerusalem Cherry) HHP February to May
 Statice, Sinuata HA September to April
 Stocks, Summer HA December to April
 Stocks, Winter HP July to October
 Stokesia HP May to September
 Streptocarpus TP Jan. to Mar., June and July

Sunflower TA April to June
 Sweet Peas HA August to April
 Sweet Rocket HP August to March
 Sweet William HP May to September
 Sweet Wivelsfield HA September to May

Thalictrum HP May to September
 Thunbergia TA February to May
 Tithonia April and May
 Torenia HHA February to May
 Trachelium HP May to September

Ursinia HHA February to May

Valerian HP May to September
 Venidium HHA March to June
 Verbena, for spring bloom HHP August to November
 Verbena, for summer bloom HHP February to May
 Veronica HP May to September
 Viola (Tufted Pansies) HP August to March
 Virginia Stocks HA All year round
 Viscaria HA September to May

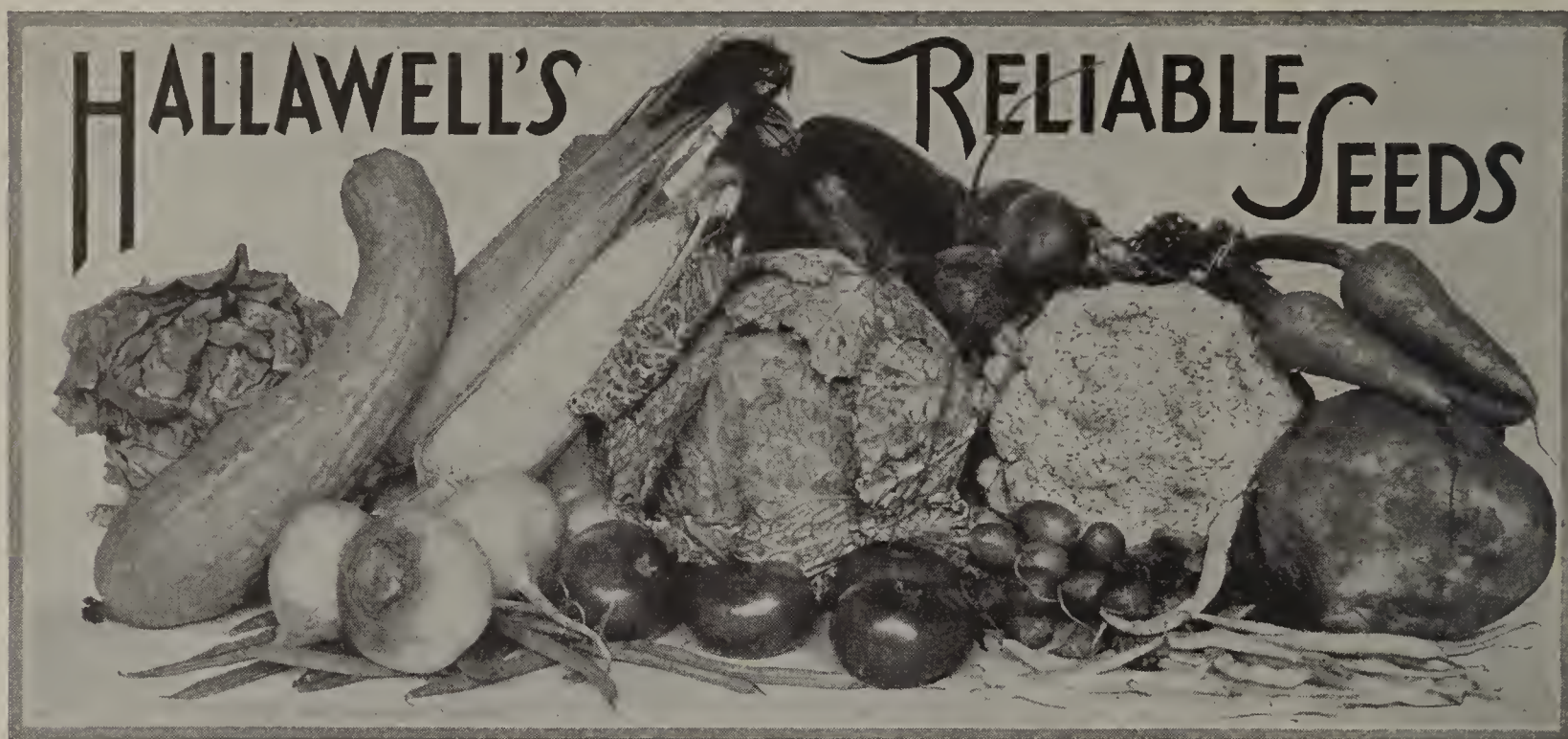
Wallflower HP May to September

Xeranthemum HA February to May

Zinnia HHA March to June

SEASONS TO PLANT VEGETABLES IN CENTRAL CALIFORNIA

VARIETY	When to Sow	Maturess in About	Depth to Plant	One Ounce Will Sow a Row	Quantity for 1 Acre	Put Rows Apart	Distance Apart in the Row
Artichoke Seed..	Early Spring.....	Second season..	1 inch.....	200 feet.....	6 ounces....	3 feet.....	2 feet.....
Artichoke Plants	January—April.....	Next season....	.....	.....	.....	5 feet.....	4 feet.....
Asparagus Seed..	February—April.....	Third Spring... 1 inch.....	1 inch.....	100 feet.....	4 to 5 lbs..	2 feet.....	3 inches.....
Asparagus Roots	January—April.....	Next Spring... 3 inches....	3 inches....	.....	.....	4 to 6 feet....	1 foot.....
Beans, Bush.....	April 15—August....	45 to 65 days... 1½ to 2 inches	1½ to 2 inches	1 lb. to 50 feet..	50 lbs.....	2 feet.....	4 inches.....
Beans, Pole.....	April 15—August....	65 to 75 days... 1½ to 2 inches	1½ to 2 inches	1 lb. to 100 hills	25 lbs.....	4 ft. hills....	4 ft. hills....
Beets.....	All year round.....	65 to 75 days... 1 inch.....	1 inch.....	50 feet.....	6 lbs.....	18 inches....	3 to 4 inches..
Broccoli.....	July.....	150 to 200 days ½ inch.....	½ inch.....	1,500 plants....	2 to 3 ounces.	2½ feet.....	1½ feet.....
Brussels Sprouts	{ January—April..... } { July—October..... }	150 days.....	½ inch.....	2,000 plants....	2 to 3 ounces.	2½ feet.....	2 feet.....
Cabbage, Early..	{ January—April..... } { July—October..... }	105 days.....	½ inch.....	2,000 plants....	2 to 3 ounces.	2 feet.....	1½ feet.....
Cabbage, Late..	{ January—April..... } { July—October..... }	150 days.....	½ inch.....	2,000 plants....	2 to 3 ounces.	2½ feet.....	2 feet.....
Carrot.....	All year round.....	60 to 90 days.. ½ inch.....	½ inch.....	100 feet.....	3 to 4 lbs..	1½ feet.....	2 to 4 inches..
Cauliflower.....	June—January.....	150 days.....	¾ inch.....	1,500 plants....	2 to 3 ounces.	2 feet.....	1½ feet.....
Celery.....	February—June.....	6 months.....	¾ inch.....	4,000 plants....	2 ounces....	2 feet.....	6 inches.....
Collards.....	All year round.....	100 days.....	½ inch.....	2,000 plants....	2 to 3 ounces.	2 feet.....	2 feet.....
Corn.....	April 15—July 15... 80 to 100 days.. 1 inch.....	1 inch.....	1 lb. to 100 hills	15 lbs.....	3 ft. hills....	2 ft. hills....	2 ft. hills....
Corn Salad.....	August—November... 100 days.....	½ inch.....	50 feet.....	15 inches....	4 to 6 inches..	4 to 6 inches..	4 to 6 inches..
Cucumber.....	April 15—June 15... 120 days.....	1 inch.....	100 hills.....	3 lbs.....	4 ft. hills....	4 ft. hills....	4 ft. hills....
Dandelion.....	May and June.....	6 months.....	¾ inch.....	200 feet.....	18 inches....	8 inches.....	8 inches.....
Egg Plant.....	February—April.....	150 to 160 days ¼ inch.....	¼ inch.....	1,000 plants....	3 ounces....	2½ feet.....	2½ feet.....
Endive.....	June—October.....	100 days.....	½ inch.....	100 feet.....	4 lbs.....	1½ feet.....	8 inches.....
Kale.....	{ January—April..... } { July—October..... }	90 to 120 days.. ½ inch.....	½ inch.....	2,000 plants....	2 to 3 ounces.	2 feet.....	1½ feet.....
Kohl Rabi.....	{ January—May..... } { July—October..... }	120 days.....	½ inch.....	200 feet.....	4 lbs.....	1½ feet.....	8 inches.....
Lettuce.....	All year round.....	65 to 90 days.. ¾ inch.....	¾ inch.....	200 feet.....	4 lbs.....	1½ feet.....	6 inches.....
Muskmelon.....	April 15—June.....	120 to 140 days. 1 to 2 inches	1 to 2 inches	50 hills.....	3 lbs.....	4 ft. hills....	4 ft. hills....
Watermelon.....	April 15—June.....	120 to 140 days. 1 to 2 inches	1 to 2 inches	25 hills.....	3 to 4 lbs..	8 ft. hills....	8 ft. hills....
Mustard.....	February—May.....	.....	¾ inch.....	200 feet.....	2 to 3 lbs..	1½ feet.....	3 inches.....
Okra.....	April 15—June 15... 75 days.....	1 inch.....	100 feet.....	8 lbs.....	3 feet.....	1½ feet.....	1½ feet.....
Onion.....	November—March... 150 days.....	¼ to ½ inch.. 200 feet.....	¼ to ½ inch..	200 feet.....	4 to 5 lbs..	1 foot.....	4 inches.....
Parsley.....	All year round.....	60 to 75 days.. ¼ inch.....	¼ inch.....	200 feet.....	3 lbs.....	1 foot.....	6 inches.....
Parsnips.....	February—September. 125 days.....	½ inch.....	200 feet.....	3 lbs.....	1½ feet.....	8 inches.....	8 inches.....
Peas.....	All year round.....	8 to 12 weeks.. 2 to 3 inches	2 to 3 inches	1 lb. to 100 ft..	80 to 150 lbs.	1½ to 3 feet..	2 inches.....
Pepper.....	February—March.... 140 to 150 days.. ¾ inch.....	¾ inch.....	1,000 plants....	3 ounces....	2 feet.....	1½ feet.....	1½ feet.....
Potatoes.....	January—May.....	3 to 5 months.. 4 to 6 inches	4 to 6 inches	8 lbs. to 100 ft.	500 to 600 lbs.	3 feet.....	15 to 18 inches
Pumpkin.....	April 15—June.....	100 days.....	1 to 2 inches	25 hills.....	5 lbs.....	8 ft. hills....	8 ft. hills....
Radish.....	All year round.....	30 to 45 days.. ½ inch.....	½ inch.....	100 feet.....	10 lbs.....	1 foot.....	1 to 2 inches..
Rhubarb.....	January—May.....	Second Spring.. ½ inch.....	½ inch.....	150 feet.....	1 lb.....	3 feet.....	3 feet.....
Rhubarb Roots..	January—April.....	Next Spring... 1 inch.....	1 inch.....	.....	.....	6 feet.....	3 feet.....
Salsify.....	February—September. 150 days.....	½ inch.....	50 feet.....	8 lbs.....	15 inches....	3 inches.....	3 inches.....
Spinach.....	All year round.....	45 days.....	½ inch.....	100 feet.....	8 lbs.....	1 foot.....	3 inches.....
Squash, Summer..	May—June.....	65 days.....	1 to 2 inches	25 hills.....	4 to 6 lbs..	3 to 4 ft. hills	3 to 4 ft. hills
Squash, Winter..	May—June.....	150 days.....	1 to 2 inches	15 hills.....	3 to 4 lbs..	6 to 8 ft. hills	6 to 8 ft. hills
Tomato.....	February—May.....	150 days.....	¾ inch.....	2,500 plants....	¼ lb.....	4 feet.....	4 feet.....
Turnip.....	August—April.....	60 to 70 days.. ½ inch.....	½ inch.....	200 feet.....	3 to 4 lbs..	12 to 15 inches	3 to 4 inches..



MARKET GARDENERS—Please write for prices on your quantity requirements.

ARTICHOKE

Sow any time the weather is favorable, preferably in March or April. Soil should be a light, moist loam and seed should be sown thinly in drills 1 inch deep. Transplant when 6 inches high in rows 5 feet apart, and 4 feet between the plants. Save offsets from best plants for new supply as artichokes never come true from seed, some will prove inferior. When transplanting seedlings reject those with spiniest leaves.

LARGE GREEN GLOBE—Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

ASPARAGUS

Sow the seed early in spring in drills 2 feet apart, and when well started thin out to 3 inches apart. When one or two years old transplant into permanent beds, thoroughly trenched, 2 feet or more in depth. Set the plants in rows 4 feet apart, and 1 foot apart in the row. Care should be taken that roots are well spread, and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down apply a dressing of coarse manure, and in the spring fork it in. One ounce will sow 100 feet of row.

MARY WASHINGTON—A new variety which has proven to be nearly rust free. The plants form large, thick, heavy shoots which are dark green and of fine flavor; a heavy yielder. Pkt., 5c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 35c.

Extra Selected Roots—35c per doz.; \$2.50 per 100 (postpaid within 4th zone).

PALMETTO—A very early maturing and prolific variety, producing an abundance of very large deep green shoots of the best quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Extra Selected Roots—35c per doz; \$2.50 per 100 (postpaid within 4th zone).

LIMA BEANS

Limas are very sensitive to cold and overmoist ground and should not be planted until May, when the soil has warmed up. Stick the seed edgewise with the eye down into the soil, covering $1\frac{1}{2}$ to 2 inches deep. See that the ground is moist so that the beans will not require any watering until the seeds have sprouted, otherwise they may rot. Sow the bush varieties in rows $2\frac{1}{2}$ feet apart and 6 inches in the row. Plant the pole beans 4 feet apart in hills and set a pole firmly in each hill. Plant 5 or 6 beans in a hill. Plant in a rich, mellow soil and cultivate frequently. One pound of the bush varieties will plant 50 feet of row and 1 pound of the pole varieties will plant 75 hills.

BUSH

BURPEE'S IMPROVED BUSH LIMA—Plants uniformly dwarf and enormously productive. Pods large, containing 4 to 6 large thick beans of superior quality. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

FORDHOOK BUSH LIMA—A greatly improved form of Dreer's Bush Lima, producing large handsome pods, each containing 4 to 5 beans which retain their flavor throughout the season. The plants are of upright growth and very productive. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

HENDERSON'S BUSH LIMA—Valuable for its earliness. Pods short, containing 2 to 4 beans of excellent quality. Vines continue to grow and set pods until frost. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50.

POLE

KING OF THE GARDEN—A vigorous and productive sort, pods very long, each containing 5 to 6 large beans of delicious flavor. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50.

Seasons to plant Vegetables in Central California, see page 37.

BEANS

Postpaid only within 4th zone. See parcel post rates on inside front cover.

Beans should not be planted until April 15th, or until all danger from frost is over, and for a continuous supply should be planted every two weeks until August. A warm, well drained, sandy loam is best suited. Plant the bush varieties in rows 2 feet apart and 4 inches apart in the row. Plant pole beans in hills. Set the poles about 4 feet apart each way and plant 5 to 6 beans around each pole. Cover the seeds from 1½ to 2 inches deep. One pound of the bush varieties will plant 50 feet of row. One pound of the pole varieties will plant 100 hills.

Dwarf Beans GREEN PODDED

BOUNTIFUL—An early, hardy and productive variety, bearing thick, flat, light green pods of fine quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

STRINGLESS GREEN POD—One of the earliest varieties. Pods round, long and quite stringless, very crisp and tender. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

CANADIAN WONDER—Pods are flat, of great length and very tender. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

STRINGLESS REFUGEE—An excellent bean with pods averaging 5¼ inches in length. The pods are brittle and tender and quite stringless; meat thick and fleshy. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

BROAD WINDSOR, LONG POD—The best variety for table use. Pods are very long and the beans green and tender; endures frost. Pkt., 10c; lb., 40c; 5 lbs., \$1.75.

FRENCH STRING BEAN—Matures very early. Pods long, round, straight and of excellent quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

DWARF HORTICULTURAL or CRANBERRY—Pods large, color green splashed with red, mostly used for shell beans. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

MASTERPIECE—A thrifty, healthy grower, producing an abundance of large green pods which are remarkably straight, broad, thick and of excellent quality. Pkt., 15c; ½ lb., 30c; lb., 55c.

WAX PODDED

DAVIS WHITE WAX—Of compact, upright growth, producing a large yield of handsome, long pods, of a clear waxy white color; quite stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

IMPROVED GOLDEN WAX—The golden yellow pods average 5 inches long; brittle and entirely stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

PROLIFIC BLACK WAX—A very vigorous and prolific wax bean; stringless and tender; pods fairly long and golden yellow. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.



Davis White Wax Beans

POLE BEANS

BURGER'S POLE—In some sections this is called White Seeded Kentucky Wonder. Bears long, brittle pods of excellent quality, entirely stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

HORTICULTURAL or SPECKLED CRANBERRY—Popular old variety. Pods 5 inches long, pale green, but become streaked with red when mature. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

KENTUCKY WONDER—The most popular pole bean in cultivation. The medium sized, silvery green pods hang in great clusters from top to bottom of pole. Quite stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

KENTUCKY WONDER WAX—An exceedingly productive variety, bearing a large quantity of rich golden yellow pods which are thick, stringless and very tender. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

SCARLET RUNNER—A great favorite; both ornamental and useful; producing dazzling scarlet flowers during the summer months. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

MANGEL or STOCK BEET

For main crop sow about March 1st in rows 2 feet apart and thin to 8 inches apart in the row. Sow 6 pounds to 1 acre.

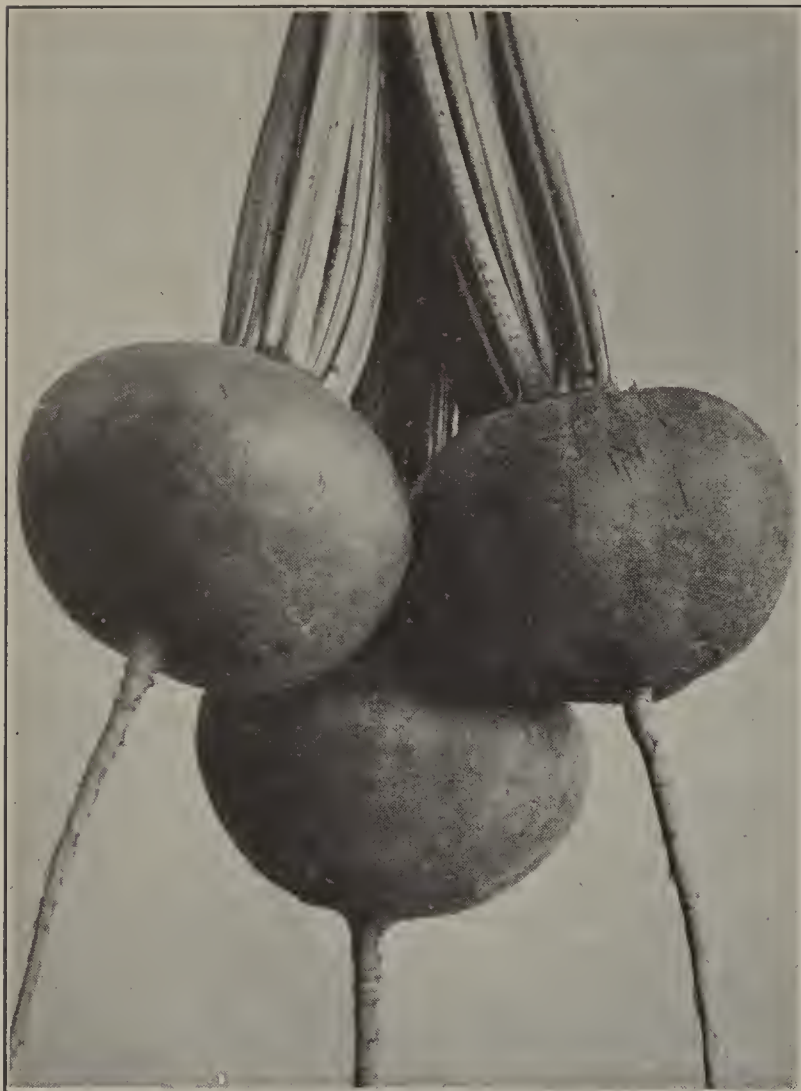
MAMMOTH LONG RED—The largest of the mangels and the heaviest cropper. The skin is red; flesh white zoned with red. This variety produces a larger amount of good feed than any other beet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

GOLDEN TANKARD—This is a distinct and superior strain of the yellow mangel, being much finer and firmer in flesh and containing more sugar. On account of its peculiar shape, enormous crops are grown when plants are set out closer in the rows than the ordinary mangel crops. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

GIANT HALF SUGAR ROSE TOP—A very hardy variety, producing large crops with little care. The root is large and very rich in sugar, and while not sufficiently so for sugar purposes, it makes a remarkably fine, rich food for stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

KLEIN WANZLEBEN SUGAR—For sugar-making. Contains a large percentage of saccharine matter. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

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Crosby's Egyptian Beets

BEETS

Beets may be planted any time of the year and at intervals of 2 or 3 weeks. A rich sandy loam is most favorable. Sow seed about 1 inch deep in rows 18 inches apart and when well established thin the plants to stand 3 or 4 inches apart. One ounce will sow 50 feet of row.

CROSBY'S EGYPTIAN—Extremely early and of fine quality. More globe-shaped than Extra Early Egyptians and of a rich vermilion color; is sweet and tender. The most popular variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

DETROIT DARK RED—An early globe-shaped variety; skin blood red and flesh rich red. Tops small and green. One of the best table varieties and of handsome appearance. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.35.

EARLY WONDER—Globe-shaped and very uniform in size, skin smooth. Flesh deep blood-red and extremely tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

IMPROVED BLOOD TURNIP—A selected strain of Early Blood Turnip Beet. Flesh is blood red and of excellent quality; remains in good condition for a long time; tops are green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.10.

LONG SMOOTH DARK BLOOD—The best of all Long Blood Beets. A very desirable variety for light sandy soils. Flesh dark blood red, exceedingly tender and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

SWISS CHARD

Used for greens; the leaf stalks are cooked as Asparagus.

IMPROVED SILVER—Large green leaves with white mid-rib. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

GIANT LUCULLUS—Large crumpled leaves with thick light-colored mid-ribs which are delicious when cooked and served like Asparagus, while the leafy parts make excellent "greens." Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

BROCCOLI

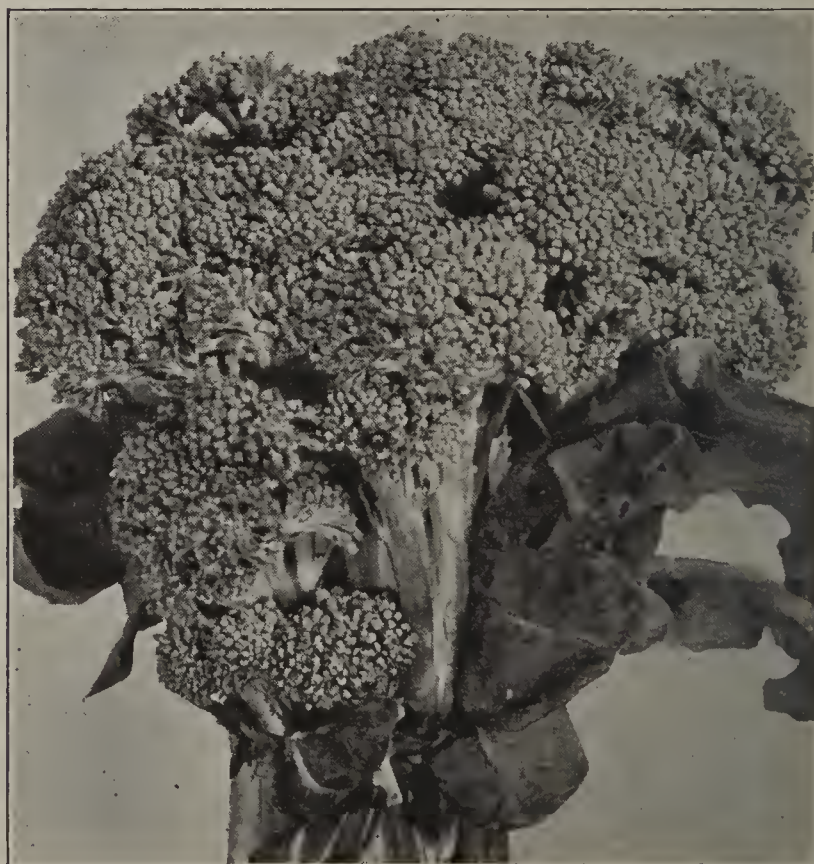
Broccoli is a very late hardy Cauliflower. Sow the seed $\frac{1}{2}$ inch deep and transplant to rows $2\frac{1}{2}$ feet apart and $1\frac{1}{2}$ feet apart in the row. Cultivate the same as Cabbage.

CALIFORNIA WONDER—A vigorous long leaved plant with heavy mid-ribs, is intermediate in type between the true Cauliflower and the Broccoli. Usually heads in January, but season can be varied by planting at different dates. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.

ITALIAN GREEN SPROUTING—The heads or curds branch and are broken off and cooked like Asparagus. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c.

LATE PEARL—Plants short stemmed, compact; with medium green leaves; head very white and well protected. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.

ST. VALENTINE—Heads are large, solid white and well protected with large leaves. Matures early in March. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.



Italian Green Sprouting Broccoli

CABBAGE

Seed may be planted almost any time of the year. However, there are three seasons preferable for sowing—in September for early spring cabbages, from January to April for summer and fall cabbages, and July to August for winter cabbages. Sow the seed $\frac{1}{2}$ inch deep and transplant the early varieties to rows 3 feet apart and 18 inches apart in the rows. They will mature in about 105 days. The late varieties mature in about 150 days and should be planted in rows 3 feet apart and 24 inches apart in the row. To prevent the heads from splitting open before they are ready to be harvested, the plants should be loosened a little at the root. Cabbages require plenty of moisture, but too much water may cause them to rot. One ounce will produce about 2,000 plants.

Early Varieties

COPENHAGEN MARKET—An early variety producing fine heads weighing 10 to 12 pounds, which are very solid and of excellent quality. It is the largest of the early round varieties. Pkt., 10c; oz., 30c; 2 ozs., 55c; $\frac{1}{4}$ lb., 90c.

EARLY JERSEY WAKEFIELD—One of the best and most popular early varieties. Forms round, pointed heads of good size. Is very hardy and on account of its thick outside leaves is able to resist cold and other unfavorable conditions to a great extent. Pkt., 5c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 70c.

EARLY WINNIGSTADT—One of the best of the early pointed varieties. It is unsurpassed for its fine texture and its conical-shaped heart is solid, crisp and tender. Pkt., 5c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 70c.

GOLDEN ACRE—The earliest round-headed cabbage. Plants are compact and form solid heads weighing 3 to 5 pounds. Heads should be ready for use 62 to 64 days after transplanting. Pkt., 10c; oz., 40c; 2 ozs., 75c; $\frac{1}{4}$ lb., \$1.25.

Second Early Varieties

EARLY DRUMHEAD—Good, solid, large round heads. Pkt., 5c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 75c.

EARLY DWARF FLAT DUTCH—Matures early and makes a large, solid, flat head with short stems. Pkt., 5c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 75c.

Winter Varieties

DANISH BALL HEAD or THE HOLLANDER—Very round, solid winter sort, bluish green color; a good-keeping variety. Pkt., 10c; oz., 30c; 2 ozs., 55c; $\frac{1}{4}$ lb., 90c.

LARGE FLAT DUTCH—The best late variety in cultivation; large, round, flat, solid heads of perfect shape. Less inclined to burst than many varieties in use; rich, deep green color; tender and of fine quality. Pkt., 5c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 75c.

RED CABBAGE

MAMMOTH RED ROCK—Best hard-headed, red variety. Large heads, globular and very deep red on top. Outer leaves greenish. Especially used for pickling. Pkt., 10c; oz., 35c; 2 ozs., 60c; $\frac{1}{4}$ lb., \$1.00.



American Drumhead Savoy Cabbage

SAVOY CABBAGE

AMERICAN DRUMHEAD SAVOY—The largest heading Savoy; the quality and flavor of this crumpled-leaf cabbage is very fine. It is sweet and tender. Pkt., 10c; oz., 35c; 2 ozs., 60c; $\frac{1}{4}$ lb., \$1.00.

CHINESE CABBAGE

CHINESE CABBAGE, WONG BOK, ALSO CALLED CELERY CABBAGE—It has wide mid-ribs at the base merging into crisp, tender leaves at the top. Has a mild cabbage flavor and is very delicious. It is odorless while being cooked. Excellent for use as a salad or when boiled for greens. The culture for Wong Bok is the same as for late cabbage. When well grown the plants should be blanched by tying loosely with burlap. Set the plants 1 foot apart in the row. Pkt., 10c; oz., 35c; 2 ozs., 60c; $\frac{1}{4}$ lb., \$1.00.

BRUSSELS SPROUTS

Sow and cultivate same as Cabbage and set the plants in rows $2\frac{1}{2}$ feet apart and 2 feet apart in the rows. One ounce will produce about 2,000 plants and will mature in about 150 days.

DWARF PERFECTION—Grows 20 inches high and is well covered with small sprouts which are very solid and excellent in flavor. Pkt., 5c; oz., 35c; 2 ozs., 65c; $\frac{1}{4}$ lb., \$1.00.



Red Cored Chantenay Carrot

CARROTS

For garden purposes carrots may be sown any time. Sow the seed $\frac{1}{2}$ inch deep in loose, well prepared soil, preferably sandy, making rows 18 inches apart. Cultivate as soon as the plants are well established and thin to 2 or 4 inches in the row according to the size of the variety. One ounce will sow over 100 feet of row.

CHANTENAY (Red Cored)—An excellent early, half long stump-rooted variety; 5 or 6 inches long and about 3 inches thick at the shoulder. Bright orange-scarlet, heavy cropper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

DANVERS HALF LONG—A rich orange-red sort, growing about 8 inches long. Largely used for table use and stock raising as well. Very productive; flesh sweet and crisp. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

EARLY SCARLET HORN—This is a favorite for early crop, but not large; sold extensively in the markets bunched. The tops are small; roots top-shaped, stump-rooted, therefore easily pulled. Grows well in shallow soil. Color is a deep orange; flesh fine-grained. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

CARROTS

(Continued)

OXHEART or GUERANDE—A popular short, thick variety about $4\frac{1}{2}$ inches long and $3\frac{1}{2}$ inches thick at the shoulder. A good variety for heavy or stiff soils; heavy cropper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

FRENCH FORCING—A small, round, reddish orange variety; crisp and sweet; the best of this class. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

WHITE MASTODON—Very large white root, a heavy cropper. The best variety for stock. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

IMPROVED LONG ORANGE—The best long carrot in cultivation; especially recommended for market gardeners and field culture. It is a good reliable variety, always depended upon for its uniformity and large crop. Grows best in light, rich, well-dug soil. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

CHICORY

LARGE ROOTED MAGDEBURG—The young leaves are excellent as salad; the roots are also used for cooking. Sow the seed $\frac{1}{2}$ inch deep early in the spring, thin the young plants to 6 inches in the row and keep well hoed. The plant spreads from the root and is perennial; will mature in 120 days. One ounce will sow 200 feet of row. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

SMALL ROOTED or RADICHETTA—The tops of this variety are very desirable for salad. The leaves are long and narrow, blanching readily when plants are close together. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

WITLOOF—Known in restaurants as French Endive. The stalks when blanched make delicious salad. Sow in May and June in drills 10 inches apart. Transplant or thin to 6 inches; treat as Endive, except that in late summer or fall it should be gradually banked up like Celery. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

CHERVIL OR CERFEUIL

An aromatic herb resembling Parsley and is excellent for garnishing. Sow seed $\frac{1}{2}$ inch deep; keep leaves cut to prevent running to seed. Pkt., 10c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 75c.

CHIVES

A small perennial of the Onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.

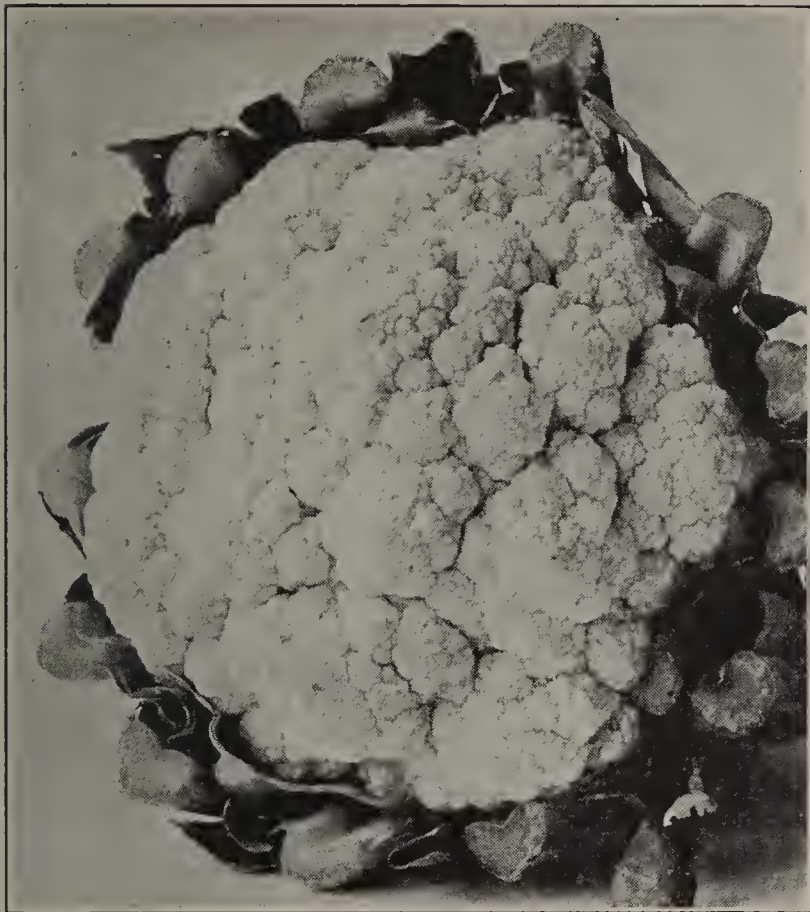
CRESS OR PEPPER GRASS

EXTRA CURLED—Used as a salad either alone or mixed with Mustard greens; rapid growing, dwarf and compact. Sow thickly in shallow drills. For a succession sow every 2 weeks. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

WATER CRESS

Highly esteemed for salads and garnishing. It must be grown along moist banks. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Seasons to plant Vegetables in Central California, see page 37.



Extra Early Snowball Cauliflower

CAULIFLOWER

Culture same as Cabbage. Soil must be rich and deep, and the plants liberally supplied with water in dry weather. As the flower heads appear, the large leaves should be broken down over them to protect them from the sun and rain. One ounce will produce about 1,500 plants and will mature in about 150 days. Sow from June to January.

EARLY SNOWBALL—The best and most popular early variety grown. There is a vast difference in the strains of this variety offered, but what we offer is the best imported stock. It will make uniformly fine heads, even under adverse conditions. Pkt., 15c; $\frac{1}{4}$ oz., 75c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.25; 2 ozs., \$4.00.

CALIFORNIA WONDER—A late variety, forming good, large, solid heads during the winter. This variety has given great satisfaction in California wherever tried. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00; 2 ozs., \$3.50.

VEITCH'S AUTUMN GIANT—The most popular of all the late varieties. The heads are pure white, large, firm and compact; being well protected by the foliage, they remain fit for use for a long time. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 35c; oz., 60c; 2 ozs., \$1.00.

DRYWEATHER—This fine variety is especially adapted for localities subjected to long, dry seasons. It is a very sure header, second early, and produces large, pure white heads of delicious flavor. Pkt., 15c; $\frac{1}{4}$ oz., 75c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.25; 2 ozs., \$4.00.

CELERICAC

Turnip-Rooted Celery

Culture same as Celery except that it is not necessary to earth up the plants.

LARGE SMOOTH PRAGUE—This is an improved form of the Turnip-Rooted Celery. Roots large, round and smooth, and free from side roots. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c; 2 ozs., 50c.

CELERY

Sow the seed $\frac{1}{8}$ inch deep in open ground as soon as fit to work in April, or for very early use in hot bed or cold frame. Pressing in the seed has often been found more satisfactory than covering. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 or 6 inches high, transplant to rows 2 feet apart and set the plants 6 inches apart in rows. Water freely and shade from sun until established. Cultivate well, and when large enough blanch by earthing up or by partly shading the rows with boards. One ounce will produce about 4,000 plants; will mature in about 6 months.

GOLDEN PLUME—A medium sized early variety; stocky, full hearted and compact; the thick solid stalks blanch readily and are of the finest quality. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; 2 ozs., \$1.00.

GOLDEN SELF-BLANCHING (New Type)—A very popular early sort with a rich golden yellow heart; very heavy and compact in growth; the stalks are thick and crisp and of rich flavor. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

WHITE PLUME—Crisp and nutty; solid and free from stringiness; stalks and portions of inner leaves are white. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 ozs., 60c.

GIANT PASCAL—Of vigorous, sturdy growth, making heavy stalks and large hearts, all remaining deep green until blanched by earthing up. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 90c.



Golden Self Blanching Celery

SWEET CORN

Postpaid only within the 4th zone. See parcel post rates on inside front cover.

Corn is sensitive to frost and is liable to rot in cold or wet ground. Plant in April or May, or when the ground has become warm. It will mature in 80 to 100 days and can be planted until July, in hills 2 by 3 feet apart. Cover 8 or 10 seeds about 1 inch deep; thin out to 3 plants to a hill. Plant in a rich moist soil; hoe and cultivate frequently. For succession plant early sorts every two weeks until July 15. One pound will plant 100 hills.

BLACK MEXICAN—Medium early; the kernels are black when ripe and white when green; ears 8 inches long, well filled and exceptionally sweet. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

CARMEL GOLDEN—A mid-season variety; the ears are moderately large with broad, deep kernels of creamy yellow color. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lb., \$1.75.

COUNTRY GENTLEMAN, or SHOE PEG—We recommend this (main crop) variety for your kitchen garden. The great merit of the Country Gentleman Corn is its delicious sweetness, retaining its delicate tenderness even when a little old. Milky kernels, that are pearly white and plump. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

EARLY MAMMOTH, or ALAMEDA SUGAR—A vigorous, large, early variety of handsome appearance and sweet flavor, especially fine for the market grower. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

GOLDEN BANTAM—A very early variety. The ears are but medium size, but are thickly set with delicious yellow kernels. The quality of this variety is superb, and it has become a general favorite early sweet corn with all who have tried it. Extra selected strain. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

GOLDEN SUNSHINE—A very early sweet corn bearing medium sized ears with 10 and 12 rows of golden yellow kernels. The quality and flavor are most desirable. A popular corn for market gardeners or for the home garden. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 10 lbs., \$3.75.

HOWLING MOB—One of the best flavored and most tender of all the second-early white sweet corns. The ears measure from 7 to 9 inches in length. They are closely set with 12 or 14 rows of large, pearly white grains. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

STOWELL'S EVERGREEN—The best of all the late sorts, producing large, handsome ears filled with plump, deep, large, white kernels. Quality and flavor unsurpassingly fine and sugary. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

Field Varieties

Field Corn should be planted in hills 4 feet apart each way; use 10 pounds to the acre.

LEAMING—An early tall-growing variety. Kernels are long and deep golden yellow, stocks are leafy and make excellent fodder. Lb., 25c; 10 lbs., \$2.00.

POP CORN, WHITE RICE—Very prolific; ears short; kernels long, resembling rice in shape; color, white. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50.

COLLARDS

Sow the seed thickly in rows, in rich ground, transplanting when about 4 inches in height; or sow where the plants are to remain, and when well started thin to 2 or 3 feet apart.

TRUE GEORGIA—The well known popular variety. Grows from 4 to 5 feet high, and forms a very large, loose head. Leaves are tinged with purple. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c.

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CUCUMBERS

Cucumbers succeed best in a rich, loamy soil and should be planted in May when the ground has warmed up. Plant the seed in slightly raised hills, 4 feet apart each way, place 6 or 8 seeds in each hill in a circle and cover with one inch of fine soil. After the plants are well started thin out to 4. Cucumbers thrive on well rotted compost and a shovelful of old manure should be placed 6 inches deep under each hill and firmly tramped down. Have the soil moist before planting so that no watering is required until the seeds have sprouted, otherwise they may rot. After they begin to set fruit, water freely by sprinkling vines for about 10 minutes every other day or so. They mature in 120 days. One ounce will plant 100 hills.

ARLINGTON WHITE SPINE—A rich dark green variety, turning partially white when ripened. The fruit is about 7 inches long when in marketable condition and very straight and even in shape. Is early, and good for forcing and out-of-door culture. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EXTRA EARLY GREEN PROLIFIC or BOSTON PICKLING—A very prolific variety, used principally for pickles. Fruit medium sized, bright green, very even and symmetrical. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

GHERKIN—A very small prickly variety, very tender and sweet when pickled young. Used for pickles only. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

IMPROVED TELEGRAPH—An English cucumber, for frames or forcing under glass; rich dark green. The finest type of Telegraph Cucumber, quick in growth and very prolific. Pkt., of 15 seeds, 25c.

KLONDYKE—A desirable early dark green variety of White Spine Cucumber. Very prolific and a fine shipping sort. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LEMON—A very easily grown variety for the home garden. It is lemon shaped. It is ready to eat when it begins to turn yellowish brown. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

LONG GREEN, IMPROVED—The best known and most popular variety for general use. The mature fruit is almost 12 inches long. The skin is of a deep green, and the flesh is solid, crisp and of fine quality. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

CORN SALAD

Sow from August to November in drills $\frac{1}{2}$ inch deep and thin out to 6 inches apart. Tread it lightly to secure germination. One ounce will sow 50 feet of row.

LARGE-LEAVED FETTICUS, or "LAMB'S LETTUCE"—Hardy little plants, grown for late fall, winter and spring use; they form rosettes of tender, edible leaves which are used as a substitute for Lettuce. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

DANDELION

One ounce will sow 200 feet of drill. It will mature in 6 months and should be sown in May and June in drills 18 inches apart and $\frac{1}{2}$ inch deep. The leaves are best for salads when blanched, by partly shading the rows with boards.

IMPROVED LARGE-LEAVED—The largest leaved and best cutting variety. Pkt., 5c; $\frac{1}{4}$ oz., 20c; oz., 60c.

EGG PLANT

A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well-enriched, warm soil is necessary to perfect the fruit. Sow the seed from January to March $\frac{1}{4}$ inch deep and transplant when all danger from frost is over, $2\frac{1}{2}$ feet apart each way, and when about a foot high, support the plants by drawing the earth up around them. One ounce will produce about 1,000 plants; will mature in 150 to 160 days.

IMPROVED NEW YORK—The most popular main crop variety. The fruit is large, very solid and of a rich shining deep purple color. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

BLACK BEAUTY—An early variety. The fruit is broad and thick and a purplish black color. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

ENDIVE

Sow the seed $\frac{1}{2}$ inch deep in any ordinary soil from June to October in drills $1\frac{1}{2}$ feet apart, covering lightly. When the plants are about 2 inches high, thin to about 8 inches in the row. When the plants have attained full size, gather up the leaves, tying together at the tips. This excludes the air from the inner leaves, which in the course of three or four weeks will become blanched. One ounce will sow 100 feet of row.

GREEN CURLED—The hardiest variety grown, the mid-rib is wide and whitish, beautifully curled, tender and crisp; much used for garnishing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

BROAD-LEAVED BATAVIAN (Escarolle)—Leaves broad and thick and nearly plain; chiefly used in stews and soups. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

KALE or BORECOLE

This plant is useful for furnishing a large supply of greens for boiling during the early fall, winter, and spring months. Sow the seed thinly in drills, transplanting to rows 2 feet apart when of sufficient size. Sow as directed for Cabbage. One ounce will produce about 2,000 plants.

TALL GREEN CURLED SCOTCH—Fine cut leaves, height $2\frac{1}{2}$ feet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

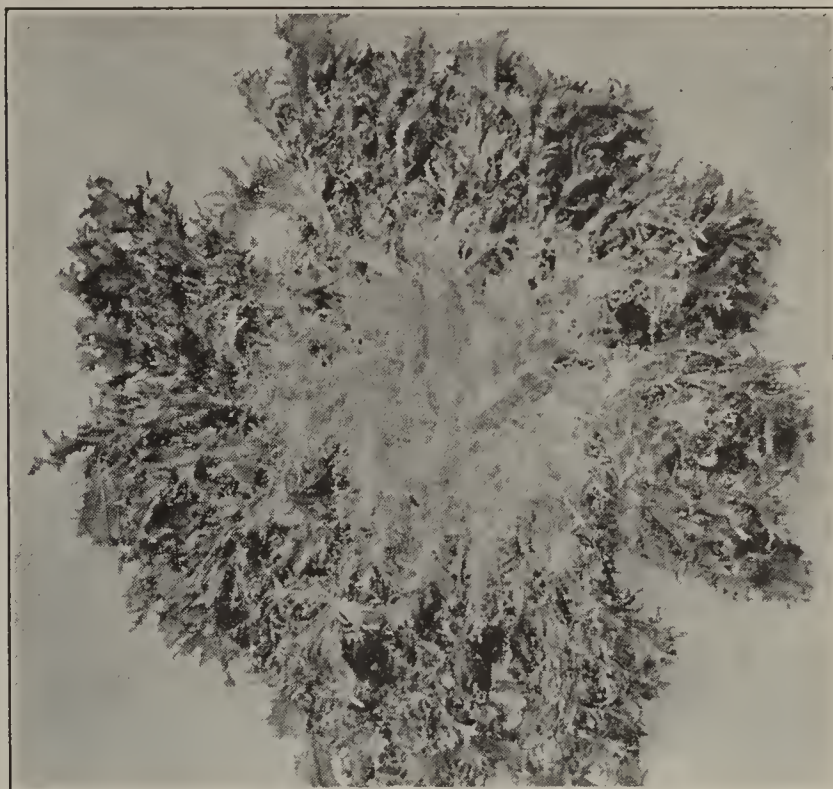
JERSEY or THOUSAND HEADED—A strong growing sort with smooth leaves, often 6 to 8 feet high; grown largely for chicken feed. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

KOHL RABI

Sow the seed $\frac{1}{2}$ inch deep in rows 18 inches apart, afterwards thinning to 8 or 10 inches. The bulb is the edible part and when cooked tastes very much like Turnip. Kohl Rabi will mature in 120 days and may be sown from January to May and from July to October. One ounce will sow 200 feet of row.

EARLY WHITE VIENNA—Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

EARLY PURPLE VIENNA—Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.



Green Curled Endive

LEEK

Sow from January to April, in drills 1 foot apart and $\frac{1}{2}$ inch deep. When the plants are 6 to 8 inches high transplant in a deep, rich soil, in rows 12 inches apart and 4 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in July or August for good plants in the fall and winter. One ounce will sow 200 feet of row.

LARGE AMERICAN FLAG—The favorite variety. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

GIANT MUSSELBURGH—Thick, long, sweet stalks. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

MUSTARD

The greens of this quick growing plant are boiled like Spinach. Sow seed in early spring and make successive sowings every 10 days until midsummer. Sow seed thinly in rows about a foot apart. One ounce will sow about 200 feet of row.

FORDHOOK FANCY—The plume-like leaves are curled and fringed and of mild flavor. Most vigorous and yields a very large crop of leaves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SOUTHERN GIANT CURLED—The leaves are large, light green with a tinge of yellow and much crimped and frilled at the edges. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

YELLOW or WHITE—The old sort, used for salads and flavoring. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

MUSHROOM SPAWN

LAMBERT'S PURE CULTURE—Bricks, 40c each; (45c postpaid within 3rd zone); 5 bricks \$1.75; (\$1.90 postpaid within 3rd zone).



Destroy Garden Pests

with

Acme Spray Materials

(See page 90)

LETTUCE

Lettuce seed requires a cool soil and should be covered very lightly to secure germination. When well started transplant to rows 18 inches apart and 6 inches apart in the row. It may be planted throughout the season in most localities, and will mature in 65 to 90 days according to the variety and season of planting. One ounce will sow 200 feet of row.

Head varieties may be drilled in the open on ridges in double rows 12 to 15 inches apart and the plants thinned to 10 inches apart. From 2 to 4 pounds of seed are required to the acre.

Loose Leaf Varieties

These do not form heads but large plants of loose leaves which are quite brittle and tender.

EARLY CURLED SIMPSON—Forms a close compact mass of leaves; matures very early. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EARLY PRIZEHEAD—Leaves are brownish red, very curly and of fine flavor. Makes a compact bunch. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CHICKEN LETTUCE—Sends up a stout stalk 3 to 4 feet high, loaded with leaves; for poultry and rabbits. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Crisp Head Varieties

These make a quick growth and form fine large heads which are always crisp, mild and extremely juicy. They withstand the heat better than any other type of lettuce.

HANSON—The heads are solid and grow to a good size. The leaves, which are of a light green color, tightly overlap each other; very crisp and brittle. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

ICEBERG—Large solid heads; light green, slightly tinged with brown; very tender and crisp. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LOS ANGELES—A large, crisp, tight-heading variety; light green curly leaves. There is no waste in preparing as all the leaves can be used. The heads are large and of fine quality. We recommend this variety above all others. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Cabbage or Butterhead Varieties

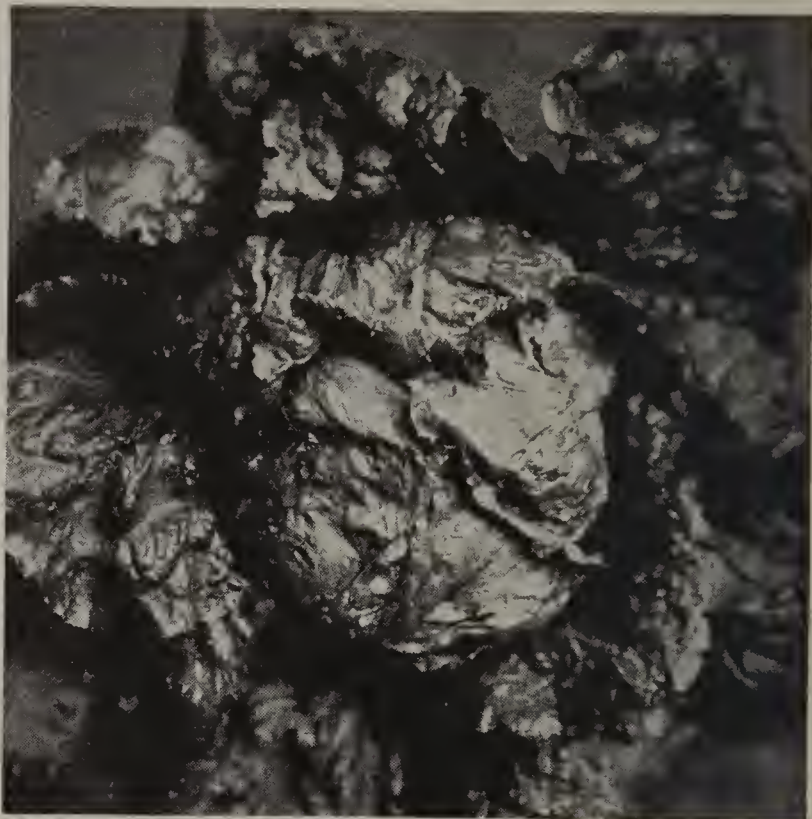
Tight heading varieties. The leaves making the heads are closely folded together and the inner portion is blanched to a clear white or a rich buttery yellow.

BIG BOSTON—Very large, tender heads; leaves are light green with a slight tinge of brown on margins of the outer leaves. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CREAMY HEART—A selection that has been made from California Cream Butter. The leaves are thick and dark green; the interior of the head is a rich golden yellow; quality fine, very desirable for early spring planting. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MAY KING—A very early solid head variety of the best quality. The outer leaves are green tinged with brown, while the inside is golden yellow. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MIGNONETTE—Heads small, compact; leaves slightly curled; edges tinted brown. Especially suitable for the Hawaiian Islands and other tropical countries. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.



Lettuce, Los Angeles

Romaine, or Cos Lettuce

This type of lettuce forms long upright loose folding heads and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching.

PARIS WHITE COS or **TRIANON**—Very crisp and sweet. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CASABA MELONS

The melons should not be picked until they become quite yellow. Stow away so they do not touch each other, in a cool, dark place. When the rind becomes slightly softened and moist they are ready to eat; some of the melons will keep until February.

GOLDEN BEAUTY—This melon is very similar to Winter Pineapple except that it has a golden yellow rind. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.00.

HONEY DEW—The fruit of this melon is of medium size, weighing 5 to 6 pounds; light colored smooth skin, thick light green flesh of a delicious honey-like flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

WINTER PINEAPPLE—A large late variety with wrinkled skin and green flesh of a pineapple flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

GREENHOUSE MUSKMELONS

(Imported Seed)

BLenheim ORANGE—A favorite variety; scarlet flesh, good flavor and very prolific. Pkt., 25c.

WINDSOR CASTLE—Green flesh, oval shape, finely netted, delicious flavor. Pkt., 25c.

WATERMELONS

The culture of watermelons differs from that of muskmelons mainly in that the hills should be wider apart, from 8 to 10 feet, according to the variety grown. An effort should be made to secure good strong vines early in the season, and this can best be done by taking care that the hills are large, mellow, and well drained, with the manure placed so that they will not dry out quickly under hot sun. Plant the seeds thickly when danger of frost is over and thin the plants to four of the strongest in each hill. All possible protection from insects should be given the young plants and their growth may be still further hastened by frequent application of liquid manure. They mature in 120 to 140 days. As a protection from insects, netting is frequently used. One ounce will plant about 25 hills.

ANGELENO—A round deep green melon, rind very thin, flesh deep red and of fine flavor; good shipper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BLACK SEEDED CHILIAN—A fine melon for the home garden; of medium size, nearly round, black seed and red flesh of excellent flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

FLORIDA FAVORITE—A splendid melon of very large size and excellent quality. Fruit long, dark green, mottled and striped; rind thin but firm. Flesh bright deep red; very sweet and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Klondike Watermelon

KLECKLEY SWEET or MONTE CRISTO—A very desirable melon for home use or nearby markets. Fruit of medium to large size, oblong, dark green. Flesh bright red and very sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

KLONDIKE—A great favorite of recent introduction. Oblong, dark rich green, flesh bright red, very crisp and sweet. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

KLONDIKE, STRIPED—A new selection. It is the same size and has much the same qualities as Klondike. Fruit is striped dark and light green resembling the Georgia Rattlesnake. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

TOM WATSON—A very large, long melon with dark green skin. Flesh bright red; very sweet and tender. Rind thin but tough, making it a good shipping sort. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

MUSKMELON

A light, warm, rich soil is essential for this crop. When all danger from frost is over, plant the seed in slightly raised hills 4 feet apart each way, placing 6 to 8 seeds in each hill in a circle and covering with one inch of fine soil. Place a shovelful of old manure about 6 inches under each hill and tamp down firmly. Have the soil moist before planting so that no watering is required until the seeds have sprouted, otherwise they are apt to rot. After all danger of destruction by bugs is over, thin out to 3 plants to a hill; when about 1 foot long pinch off the tips to make them branch. This strengthens the growth of the vines and makes the fruit mature early. Muskmelons mature in 120 to 140 days. One ounce will plant about 50 hills.

DELICIOUS GOLD LINED ROCKY FORD—Fruit is heavily netted, slightly oval with no ribs. Has green flesh with a gold margin next to the seed cavity; thick meat and of fine flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EXTRA EARLY HACKENSACK—A large flat melon with prominent ribs. Flesh light green, thick, sweet and juicy. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

HEARTS OF GOLD—The medium sized fruits are round and distinctly netted; flesh orange-salmon, thick and fine flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

PERSIAN (Small Type)—A globular melon, 6 to 8 inches in diameter, heavily netted without ribs; orange flesh of delicious flavor; a good keeper. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

POLLOCK 10-25—A solid netted type of melon, slightly oval and 5 to 6 inches long; flesh thick salmon-tinted shading to light green near the rind; of delicious flavor. A prolific yielder. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ROCKY FORD NUTMEG or NETTED GEM—Fruit is slightly oval and slightly ribbed with netted skin. Has thick dark green flesh of delicate flavor, with a small seed cavity. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TIP TOP—The melons are of medium size and nearly round, well ribbed and slightly netted over a light green skin. The flesh is quite thick and bright salmon in color. Very richly flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CASABA and FORCING MELONS—See page 46.

ONIONS

Onions are very hardy, and the seeds will germinate in cool weather. They can be safely planted just as soon as the soil can be prepared. Shallow planting is advisable, $\frac{1}{4}$ to $\frac{1}{2}$ inch being about right. When 2 or 3 inches tall, the young plants can be thinned to prevent crowding. They may be thinned again when 6 or 8 inches tall, and the plants removed can be used as green onions. After that, they may be pulled as needed, and those that are left to become fully ripe stored for winter. Onions mature in about 150 days. One ounce will sow 200 feet of row.

AILSA CRAIG—A very large pale yellow variety similar to Prizetaker, but much larger and more globular in form. Very productive and of fine mild flavor. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

AUSTRALIAN BROWN—Extra long keeper and sure cropper. Early and very hardy. The skin is a rich brown, solid white flesh, crisp and of sweet mild flavor. Should be planted early on low, wet ground to get large bulbs. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

CRYSTAL WHITE WAX—The clear white Bermuda onion, seen in our market early in spring, is this variety. Medium sized and of a very mild, sweet flavor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

PRIZETAKER—A fine onion of large size and nearly globular in form. Skin is yellowish brown; flesh white and mild. A heavy cropper and a fairly good keeper. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

RED BOTTLE SHAPED or LONG ITALIAN RED—A variety used in California markets. It is light red and is long and narrow. Early and mild in flavor. Excellent for slicing. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

RED WETHERSFIELD—This is the standard red variety. Large size, form flat but thick; skin purplish red; flesh firm and mild. Heavy cropper. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

RIVERSIDE SWEET SPANISH—Large brown globe shaped onion, unusually mild with excellent flavor. Splendid for shipping as well as for storage. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.50.

EARLY SWEET SPANISH—A very large, mild, yellow, globe-shaped onion. One of the best for home garden; also an early market Spanish type. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75.

SOUTHPORT WHITE GLOBE—A large globe-shaped sort; pure white color, mild flavor and fine keeper. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

WHITE QUEEN—A nearly flat onion, very mild, pure white, small in size and chiefly grown for pickling. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

WHITE PORTUGAL or SILVER SKIN—The favorite white variety, of medium size with clear white skin and mild flavor. It is an excellent keeper and also a good variety for growing for pickles. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

YELLOW FLAT DANVERS—The best yellow flat onion. Very mild and fairly early. Color, bright orange-yellow; flesh white and firm; fine keeper and of good size. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

YELLOW GLOBE DANVERS—A popular sort for home and market use. It is of perfectly globular shape, being almost round with a very small neck. The color of the skin is a rich orange-yellow; of large size; remarkably solid; a heavy cropper. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

BUNCHING ONION (White)—The best for early small green onions. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.



Riverside Sweet Spanish

ONION SETS

YELLOW SETS—For young onions. Plant 2 inches deep and 2 inches apart in drills which should be 12 inches apart. 1 pound will plant about a 50-foot row. Lb., 25c; postpaid, 30c; 5 lbs., \$1.35, postpaid.

GARLIC

Plant the cloves (separate portions of the bulbs) in drills, 8 inches apart and 4 inches apart in the row, covering 2 inches deep. When the leaves turn yellow take up the bulbs, dry in shade and lay them up in a dry loft as you would onions. Lb., 30c, postpaid. (Price subject to change without notice.)

OKRA or GUMBO

Highly esteemed for its green pods, which are used in soups and stews. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, until June, in rows 3 feet apart, 1 inch deep; thin to 18 inches apart in the rows. One ounce will sow 100 feet of row; matures in about 75 days.

PERKIN'S MAMMOTH POD—Pods deep green, very long, slender and slightly corrugated; very tender and of good quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

WHITE VELVET—Pods white, long, smooth and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

PEAS

Postpaid only within 4th zone. See parcel post rates on inside front cover.

A light, moderately rich soil is best for peas. For early peas sow in the fall, and for successive crops plant until July. Plant the dwarf varieties in single or double rows 18 inches apart and about 2 inches apart in the row. The tall sorts should be planted in rows 3 feet apart. Sow the seed 2 to 3 inches deep, and in dry weather soak the seeds for 5 or 6 hours in water before planting. One pound will sow 100 feet of row. Peas mature in 8 to 12 weeks.

Early Varieties

ALASKA, or EARLIEST OF ALL—A very early variety with smooth, small peas of good quality and short, well-filled pods. The vines are 2½ to 3 feet tall. When practicable they should be given support; will not rot in cold, wet soil. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

AMERICAN WONDER—An extra early sort and a heavy cropper, ready to pick in 45 to 50 days from time of planting. The vines require no support as they only grow 12 to 15 inches high. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

BLUE BANTAM—An early semi-dwarf variety bearing very long pods of a deep green color; very prolific. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

GRADUS or PROSPERITY—A very early large podded sort, growing 3 to 3½ feet high. Peas are large, of fine quality and light green in color. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

LAXTON'S PROGRESS—The largest podded of any extra early dwarf variety. Pods pointed, dark green, well filled with extra large tender peas of excellent flavor; very prolific. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

LITTLE MARVEL—A prolific dwarf variety about 15 inches high; pods average 2¼ inches in length, well filled with 6 or 7 large peas of excellent flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

THOMAS LAXTON—A fine early tall variety similar to Gradus, but more hardy and not so early. It is also darker in color and has large blunt pods that are well filled with peas of finest quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

Later Varieties

CARTER'S DAISY, or DWARF TELEPHONE—A dwarf variety producing large pods like Telephone; very prolific and of fine quality; height 18 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

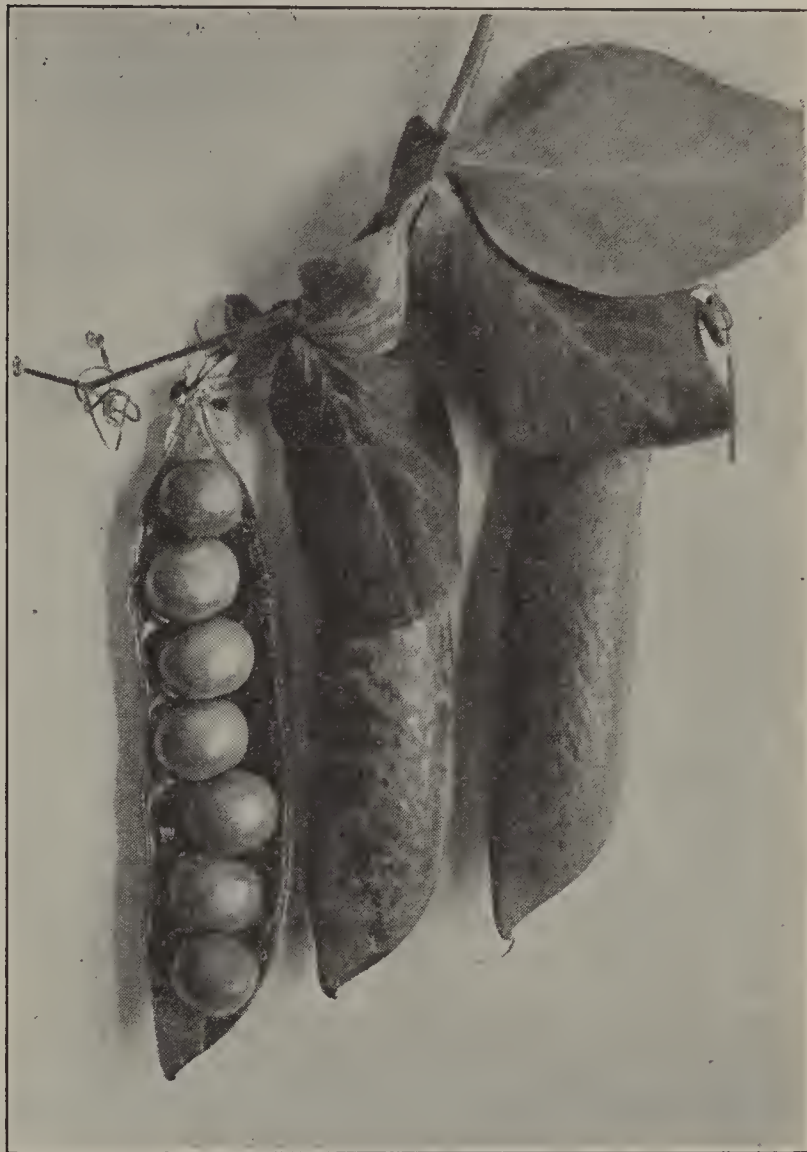
MELTING SUGAR or EDIBLE POD—A prolific variety bearing brittle pods, which are cut or broken and cooked like Beans. The pods are very large, broad and extremely tender; finely flavored. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

STRATAGEM—A very strong grower, very prolific, with dark green pods of good size and well filled. Vines grow about 2½ feet high. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

TELEPHONE—One of the latest varieties, is tall and vigorous, with enormous pods, bearing large, wrinkled peas of remarkably fine quality; a popular home garden and market variety. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

McQueen's Inoculator

A nitrogen gathering bacteria for inoculating Garden Peas and Sweet Peas. Garden Size, sufficient for 5 lbs. of seed, 15c postpaid.



Laxton's Progress Peas

PARSLEY

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly at any season in rows 1 foot apart and ¼ inch deep; thin out plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from 3 to 4 weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water, or sprout in damp earth, and sow when it swells or bursts. One ounce will sow 200 feet of row.

DOUBLE CURLED—A curled variety very hardy and easy to grow. Deep rich green. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c.

EXTRA TRIPLE CURLED—Very fine curled variety of dark green color. Pkt., 10c; oz., 25c; 2 ozs., 40c; ¼ lb., 65c.

HAMBURG or TURNIP ROOTED—A plain-leaved variety, forming a long, thick, edible root. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c.

PLAIN or SINGLE—The leaves are deeply cut, flat and dark green. Much used for flavoring and for drying. Pkt., 5c; oz., 15c; 2 ozs., 20c; ¼ lb., 30c.

PEPPERS

Sow $\frac{1}{4}$ inch deep in hotbeds in February or March, and, when danger from frost is over, transplant in rows 2 feet apart and 18 inches in row, in good rich ground. They mature in 140 to 150 days.

ANAHEIM CHILI—A large thick-meated "Chili" of recent introduction, being 7 inches or more long, very fleshy, with a slight pungency. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

CALIFORNIA WONDER—The best large fruited sweet pepper; very smooth, heavy and free from wrinkles. Meat exceedingly thick, tender and of the finest flavor. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; 2 ozs., \$1.35.

CHINESE GIANT—The largest of all sweet peppers. The flesh is quite thick, very mild and sweet. A blunt, deep red variety. Pkt., 5c; $\frac{1}{2}$ oz., 35c; oz., 65c; 2 ozs., \$1.15.

FLORAL GEM—A yellow wax pepper about $1\frac{1}{2}$ inches in diameter and $1\frac{1}{2}$ to 3 inches long and delightfully pungent. This pepper turns from green to waxy yellow. Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 80c.

LARGE BELL or BULL NOSE—A large, early bright red variety of mild flavor. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c.

LONG RED CAYENNE—Slender pods 3 inches long, pungent. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

PIMIENTO—A popular variety owing to its lack of pungency; flesh very thick and firm, used largely for canning, as it can be scalded and peeled; also delicious with salads or when stuffed. Pkt., 5c; oz., 45c; 2 ozs., 75c.

RED CHILI—Small, bright red, very pungent and productive. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

RUBY KING—The fruit is large, dark green while young, turning to bright, glossy red when ripe, and the flavor is mild and sweet. A desirable variety for slicing in salads and for stuffing. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c.

SWEET MOUNTAIN or MAMMOTH—Nearly the same as Bull Nose, though usually larger in size and of deeper shape; of very mild flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c.

POTATOES

Postage or transportation charges extra.

Plant as early as the ground can be thoroughly worked, in rows 3 feet apart and 15 inches in the rows for early potatoes and 18 inches apart for late ones; covering in light warm soil about 6 inches, and in heavy soil about 4 inches deep; draw the earth to the plants as they advance in growth. Eight pounds will plant 100 feet of row. Cut the tubers up in good-sized pieces each containing not less than two or three eyes.

(Northern Grown)

All prices are subject to change

BRITISH QUEEN—Early, baking variety.

BURBANK (Low Top)—Late keeping variety, good for boiling and baking.

RED ROSE—Early boiling and baking variety.

WHITE ROSE—Early baking variety.

Any of the above, 5 lbs. for 35c; 10 lbs. for 60c; 25 lbs. for \$1.25 f. o. b. San Francisco. If wanted by parcel post add postage. Prices on larger quantities on application.

Please include Sales Tax within the State of California

PARSNIPS

This crop requires a very rich soil. Sow from February to September in drills 18 inches apart and $\frac{1}{2}$ inch deep, and thin to 8 inches in the row. Parsnips mature in 125 days. One ounce will sow 200 feet of row.

HOLLOW CROWN—The most popular variety. The roots which are creamy white are smooth, tender and of excellent flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

PUMPKIN

Plant after all danger of frost is over until June, in hills 8 feet apart each way. Cover seed 1 to 2 inches deep, leaving 3 strong plants to a hill. In other respects they are cultivated as Melons and Cucumbers. Pumpkins mature in about 100 days. One ounce will plant about 25 hills.

CONNECTICUT FIELD—This variety produces over 20 tons to the acre. A fine large orange-colored variety, used for stock feeding. The skin is smooth and ribbed and the flesh is brittle and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c.

MAMMOTH KING or JUMBO—Pumpkins of immense size, weighing from 100 to 180 pounds; globular in form and flattened a little at the end. Salmon-orange skin, very thick orange-yellow flesh. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

SUGAR or NEW ENGLAND PIE—For making pies this variety cannot be excelled. The pumpkins are round and small, but very sweet, fine grained, and of the best quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

RHUBARB

Sow in rows $\frac{1}{2}$ inch deep; thin out to 6 inches apart. In fall, trench a piece of ground and manure it well and then transplant the young plants into it 3 feet apart each way. Cover with leaves or litter the first winter, and a dressing of manure should be given every fall. It is better to plant strong roots, as they will produce next spring. One ounce will sow 150 feet of row.

CRIMSON WINTER—This variety is of delicious flavor, extremely hardy, very prolific, and very quick growing. Produces good stems all winter and spring. Pkt., 10c; oz., \$1.00.

RHUBARB ROOTS

(Postpaid within 4th zone only)

CHERRY GIANT—The most popular rhubarb grown today. It is less acid and more highly flavored than other sorts. The bright cherry-red stems are very large and so tender they do not require peeling when cooked. Four plants well cared for will supply sufficient rhubarb for the average family. It does not come true from seed. Plant 4 feet apart. Strong, eye roots 30c each; 4 roots, \$1.00; 10 roots, \$2.25. (Seed not available.)

RADISH

Radishes thrive best in a light, rich, mellow soil, and to bring out their mild qualities they must make a quick and tender growth. Sow early in spring and well into summer for succession, in well-manured, deeply dug and finely raked soil; if not well stimulated into a rapid growth, they become fibrous and tough; sow in drills 10 inches apart and $\frac{1}{2}$ inch deep, and thin to 2 inches in the rows. Sow at intervals of two or three weeks until September for a succession. They mature in 25 to 40 days. One ounce will sow 100 feet of row.

Early Spring and Summer Varieties

CRIMSON GIANT—This variety is suitable for forcing or for early planting out of doors. A round radish of large size and remaining in good condition for a long time. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EARLY SCARLET TURNIP—A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety; and in color entirely crimson. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

EARLY SCARLET GLOBE—A popular forcing variety owing to its very quick growth and fine, bright scarlet color. Shape, a trifle oblong. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

SCARLET TURNIP WHITE TIPPED, or ROSY GEM—One of the most popular varieties. It is globe-shaped, bright rose-carmine with bottom and tip clear white. Very valuable for forcing as well as for the home garden and market. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

FRENCH BREAKFAST—Scarlet, with white tip; shape nearly oval; good for forcing or summer sowing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

HALF LONG, or OLIVE-SHAPED—The variety most largely used by gardeners in California. It is about 3 inches long with half-stump root and sloping top. Color carmine. Quick growing and hardy. Remains solid longer than any other variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

ICICLE—A delicious and attractive white variety, about 5 inches long, with sloping top and pointed root. Quick growing, brittle and mild in flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

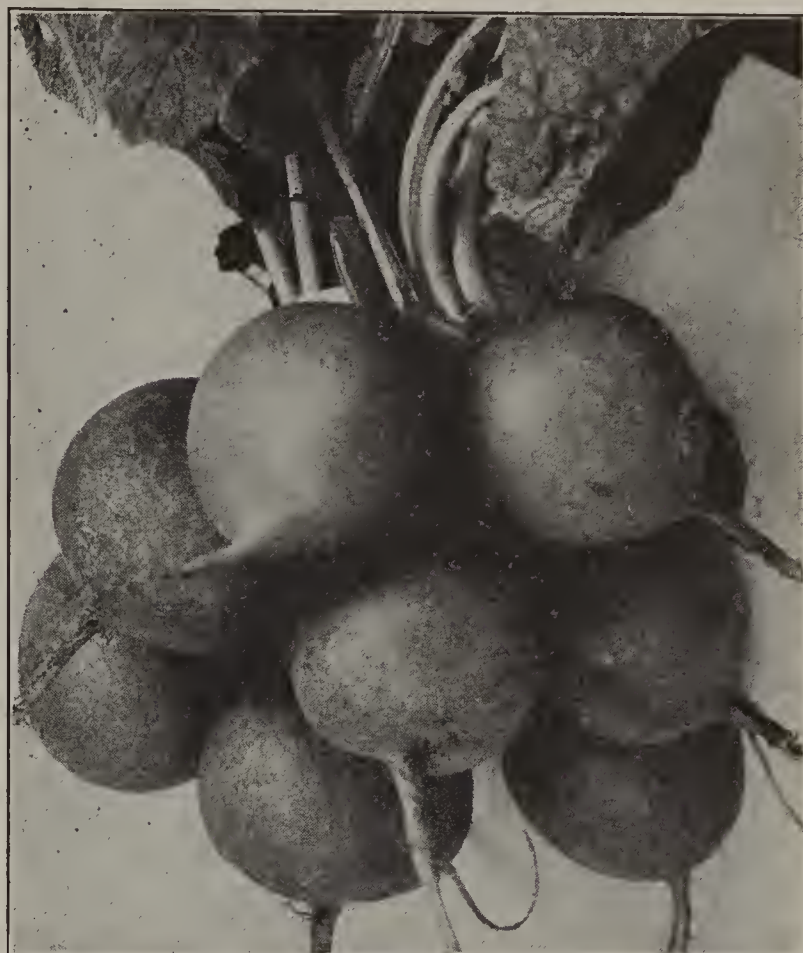
LONG SCARLET (short top)—The best known and most popular long variety. Color bright carmine, and flesh brittle and firm. About 6 inches long, the top growing out of the ground about 1 inch. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

Fall and Winter Varieties

Sow winter varieties in July and August as they make their best growth in autumn; before using put in cold water, which adds to their freshness.

CHINESE ROSE WINTER (Scarlet China)—One of the very best for fall and winter use, and popular with market gardeners; bright rose color; flesh white and firm, of superior quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CALIFORNIA MAMMOTH WHITE WINTER, or CHINESE WHITE WINTER—Is really a Chinese radish, grown by the Chinese in California; 8 to 12 inches long, and from 2 to 3 inches in diameter; solid and of good flavor; white in color and exceedingly crisp and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Early Scarlet Turnip Radish

ROUND BLACK SPANISH—This is a large, black-skinned radish; flesh white and firm, and of a peculiarly rich, delicious flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

LONG BLACK SPANISH—Roots cylindrical 7 to 10 inches long. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

SALSIFY

Vegetable Oyster

The soil should be rich and well worked to a depth of at least 18 inches. Sow in drills 15 inches apart, covering the seeds with fine soil $\frac{1}{2}$ inch in depth. When the plants are strong enough, thin them out to about 3 inches apart. The seed may be sown from February to September and will mature in 150 days. One ounce will sow 50 feet of row.

MAMMOTH SANDWICH ISLAND—An entirely distinct variety of this vegetable. It is considered very nutritious and wholesome when properly cooked, with a flavor like that of oysters. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

SORREL

The large leaves, when cooked like Spinach, make a very palatable vegetable. In California it grows luxuriantly, spreads rapidly from the root, and becomes an obnoxious weed unless given attention. A confined location in the garden is therefore recommended.

LARGE LEAVED FRENCH—The variety having the largest leaves and therefore the most desirable. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

SQUASH

Squash should be planted in a warm, rich soil, after the weather has become settled and warm, about the beginning of May or June. Plant in well-manured hills, in the same manner as Cucumbers or Melons—the bush varieties 3 or 4 feet apart each way, and the running kinds from 6 to 8 feet. 8 to 10 seeds should be sown, 1 to 2 inches deep, in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving 3 or 4 of the strongest plants to a hill. The soil should be moist before planting so that no watering is required until the seeds have sprouted, otherwise they may fail to germinate. An occasional feeding of liquid manure will repay in size of fruits. One ounce of the summer varieties will plant about 25 hills and one ounce of the winter varieties about 15 hills. Summer sorts mature in 65 days and the winter sorts in 150 days.

Summer Varieties

TABLE QUEEN (Acorn)—Cut in halves and baked this is a very tasty squash. It weighs about 1½ lbs., is dark green outside with rich yellow flesh of delicious flavor. Matures in about 100 days. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

EARLY WHITE BUSH SCALLOP—A very early variety, with flat, creamy white scalloped squashes, 4 to 6 inches in diameter. The vine is bush in habit and rather dwarf. This variety is the common "Pattypan" squash. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

BENNING'S BUSH SCALLOP—An improved bush squash which has become very popular in California. Fruits are about the size of the well known scallop squash but are a green tinted color when young. A very desirable garden and market variety. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

ENGLISH VEGETABLE MARROW (Long White)—Skin greenish yellow; flesh white, soft and rich flavor. Pkt., 10c; oz., 30c. (Imported Seed.)

ITALIAN MARROW, COCOZELLE—An extremely early squash of compact bush growth. The color is dark green at first but changes to a lighter green as the fruit matures. Usually eaten when quite small, but is still good for the table when nearly full grown. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

ITALIAN MARROW, ZUCCHINI—Except in color which is light green with grayish mottling, this variety is similar to Cocozelle. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

YELLOW SUMMER CROOKNECK—A well-known summer variety. The fruit is crooknecked, rich golden yellow and thickly warted; very tender when young. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Winter Varieties

BANANA—A wonderful yielder and good keeper. 2 to 3 feet long, with a tough whitish green shell and delicious tasty meat. Very fine for winter. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

BOSTON MARROW—The earliest of the fall sorts. Large oval fruit; color of skin and flesh rich orange. Excellent flavor; keeps well. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

DELICIOUS—One of the best sorts for winter use, weighing from 5 to 10 pounds. Skin is green, flesh is thick and of a dark orange color, fine grained and of splendid quality. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

HUBBARD—The best known winter sort; of superior quality; large size. Fruit heavily warted, dark green in color with orange flesh. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



Early White Bush Scallop Squash

HERB SEEDS

Sow early in spring in shallow drills, 1 foot apart; when up a few inches thin out or transplant.

10c per packet.

ANISE—For seasoning, also for flavoring liquors; annual.

BALM—Lemon scented; perennial.

BASIL, SWEET—The stems and seeds are used in soups and sauces; annual. Oz., 30c.

BORAGE—Excellent for bees; annual.

CARAWAY—Seeds used in bread and cakes; biennial.

CARDOON—Perennial. Oz., 40c.

CATNIP—For medicinal purposes; perennial.

CORIANDER—Seeds are used for flavoring; annual.

DILL, MAMMOTH—Leaves used in pickles and sauces; annual. Oz., 15c; ¼ lb., 35c.

FENNEL, SWEET—For soups and salads; perennial.

FLORENCE FENNEL—A vegetable with a flavor somewhat like Celery, but it has a sweet taste. Oz., 25c.

LAVENDER—For perfuming linen; perennial.

ROSEMARY—Leaves used for seasoning; perennial.

SAGE—Leaves used for seasoning and stuffing; excellent for bees; perennial. ¼ oz., 20c; oz., 50c.

SAVORY, SUMMER—Leaves and young shoots used for flavoring; annual.

SAVORY, WINTER—Perennial.

SWEET MARJORAM—Leaves used both green and dried for seasoning; perennial. ¼ oz., 20c; oz., 50c.

THYME—Leaves used for seasoning; perennial. ¼ oz., 25c; oz., 75c.

HERB PLANTS—See page 54.

Seasons to plant Vegetables in Central California, see page 37.

TOMATO

For early plants sow in hotbeds early in March, or April, in drills 5 inches apart and $\frac{1}{4}$ inch deep; when the plants are about 2 inches high transplant into another hotbed 4 inches apart each way; plant out in the open ground early in May, or as soon as danger from frost is over, 4 feet apart each way in hills, which should have a shovelful of well-rotted manure mixed with the soil. Water freely at time of transplanting, but after the plants are well established water sparingly and at the roots only, as spraying the vines and overwatering causes the blossoms to drop off; when the first fruit is set, pinch off the ends of the branches to obtain early fruit. Sufficient plants for a small garden can be grown in a shallow box by placing it in a sunny window in a warm room. For late use sow in a sheltered border in May, and set out the plants in July; the green fruit may be picked off before frost and ripened under glass. By training the vines on trellises or tying to stakes, the fruit will ripen better and be of finer quality. The fruit matures in 150 days.

BOUNTIFUL—A forcing tomato of superior flavor, perfect in shape, of good size and setting freely. The fruit is bright red, very solid and grows in clusters of seven to nine. Pkt., 25c. (Imported Seed.)

BREAK O'DAY—An early round, scarlet fruited variety of medium to large size. Vines vigorous, very productive and wilt-resistant. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

CHALK'S EARLY JEWEL—Very fine; large, solid, smooth and bright red; very early. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 90c.

DWARF GIANT (Tree Tomato)—Of dwarf compact growth, the plants are very productive. Fruit is very large and smooth; flesh wonderfully solid, of finest flavor, with no core. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c.

EARLIANA (Special Strain)—Extra early. Fruits bright red, solid and of fine flavor. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c.

GOLDEN QUEEN—A medium-sized, solid yellow tomato. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

MARGLOBE—A second early sort which produces large, smooth, meaty, globular, red fruit which ripens uniformly and is relatively free from cracks. Extremely heavy cropper and resistant to wilt. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

NORTON or WILT RESISTANT STONE—Very prolific. The fruit is bright red, smooth and thick. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 55c; 2 ozs., \$1.00.

PONDEROSA—One of the largest varieties, frequently weighing 2 to 4 pounds each; of irregular shape but very solid. Pkt., 5c; $\frac{1}{2}$ oz., 40c; oz., 65c; 2 ozs., \$1.15.

PRITCHARD (Scarlet Topper)—A fine early tomato with large, smooth, globular fruits ripening to a clear scarlet right up to the stem end. A good home and market variety; wilt-resistant. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; 2 ozs., \$1.00.

SAN JOSE CANNER—The favorite canning sort and an excellent tomato for the table, as it is of a delicious flavor. It is large and meaty, deep red and prolific. Pkt., 5c; $\frac{1}{2}$ oz., 35c; oz., 60c; 2 ozs., \$1.00.

STONE—One of the largest and most solid late varieties. Fruit very smooth, large and uniform in size; bright scarlet, unsurpassed for canning and slicing. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 80c.

Small Fruited Tomatoes

HUSK or GROUND CHERRY, RED PEAR, YELLOW PEAR, RED PLUM, YELLOW PLUM. Any of the above. Per pkt., 5c; $\frac{1}{4}$ oz., 20c; oz., 50c.



Marglobe Tomato

SPINACH

Select very rich, well-drained soil, sow in drills 1 foot apart and $\frac{1}{2}$ inch deep. For spring and summer use make the first sowing early in spring and continue at intervals of two or three weeks, until the middle of June; sow in August and September for winter and early spring use; will mature in about 45 days. One ounce will sow 100 feet of row.

BLOOMSDALE (Long Standing)—The thick, dark green leaves are curled and crinkled. Remains a long time in condition for use without bolting to seed even in dry weather. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c.

KING OF DENMARK—The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a dark green color. Stands a long time before the plants bolt to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c.

PRICKLY SEEDED or FALL—A hardy variety adapted for fall planting, but is also very satisfactory for spring planting in the home garden. The thick, dark green leaves are large and rounded. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c.

NEW ZEALAND—A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, but it is used in the same way. Sow when the ground warms up, soaking the seed in water for 24 hours before sowing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

TURNIP

For early use, sow in January and February, in drills from 12 to 15 inches apart, covering the seed $\frac{1}{2}$ inch deep; thin out to 3 or 4 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit. One ounce will sow 200 feet of row; they mature in 60 to 70 days.

EARLY SNOWBALL—A nearly round, medium-sized turnip with smooth white skin, maturing very early. Very sweet and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

EARLY WHITE FLAT DUTCH, STRAP-LEAVED—A medium-sized flat variety, clear, white, of quick growth and excellent quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

EXTRA EARLY PURPLE TOP MILAN—The earliest turnip grown, being ready two weeks sooner than any other variety; medium sized, very flat and white with purple top. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 85c.

GOLDEN BALL or ORANGE JELLY—A globe-shaped yellow variety of medium size; flesh firm and crisp. An excellent table sort. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

PURPLE-TOP STRAP-LEAVED—Flat, medium size, purple above ground, white below. Flesh fine grained and mild flavor. One of the most largely used varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

PURPLE TOP WHITE GLOBE—A valuable sort for either table use or stock feeding. Roots globe-shaped, white with purple top. Flesh white, firm and tender; very large. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

SEVEN TOP—Grown exclusively for its leaves. Cooked same as Spinach and Mustard. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

Ruta Baga or Swedes

AMERICAN PURPLE TOP, or LONG ISLAND—One of the best and most popular yellow fleshed varieties. It is yellow below ground, with purple top above. A fine table or stock feeding variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

LARGE WHITE, or SWEET—A very large variety with white skin and white flesh, which is tender and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

HERB PLANTS

If wanted by parcel post within the 4th zone add for postage and packing as follows: 1 to 3 plants, 20c; 4 to 6 plants, 30c; 7 to 12 plants, 40c.

CATNIP—Pot grown plants. Each, 25c.

CHIVES—Clumps, 2 for 25c.

MINT—Pot grown plants. Each, 20c.

ROSEMARY—Pot grown plants. Each, 20c.

SAGE—Pot grown plants. Each, 20c.

SAVORY, WINTER—Pot grown plants. Each, 20c.

SWEET MARJORAM—Pot grown plants. Each, 20c.

THYME—Pot grown plants. Each, 20c.

HORSE RADISH—January to May delivery. Roots, doz., 35c; postpaid, 40c; 100, \$2.50, postpaid.

HERB SEEDS—See page 52.

TOBACCO

CONNECTICUT SEED LEAF—The hardiest variety in cultivation. One of the best sorts for cigar wrappers. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

HAVANA (Domestic)—Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

FIELD SEEDS

1 to 10-pound lots prepaid within fourth zone only.

ALFALFA, CHILEAN (Lucerne—Medicago Sativa)—Produces 3 or 4 heavy crops of hay in a season. 17 to 25 pounds required per acre. Sow in the fall or spring. Lb., 45c; 10 lbs., \$4.00.

ALFALFA, HAIRY PERUVIAN—Starts to grow while weather is yet cool and makes one or more additional cuttings a season. Lb., 45c; 10 lbs., \$4.00.

BERMUDA GRASS (Cynodon Dactylon)—The seed requires 15 days of hot moist weather to germinate. Sow 10 to 15 pounds per acre. Lb., 55c; 10 lbs., \$5.00.

LADINO CLOVER—Rapid growing mammoth white clover which spreads from runners. Valuable for green feed for poultry as well as for pasture, it yields abundantly and is said to withstand frost better than Alfalfa. If given sufficient moisture can be cut continuously. Sow at the rate of 8 pounds to the acre. Lb., \$1.25; 5 lbs., \$6.00.

MELILOTUS INDICA (Bitter Clover)—A hardy winter growing cover-crop for green manuring. It grows 5 feet in 4 months from seed. Sow shallow, using 10 to 15 pounds per acre. Lb., 25c; 10 lbs., \$2.00.

ORCHARD GRASS or COCKSFOOT (Dactylis Glomerata)—One of the most valuable of the pasture grasses; makes a good hay. Sow 35 pounds per acre. Lb., 40c; 10 lbs., \$3.50.

RED CLOVER (Trifolium Pratense)—The best clover for all practical purposes. Sow 15 pounds per acre. Lb., 55c; 10 lbs., \$5.00.

SUDAN GRASS—A drought resisting annual of the Sorghum family, adaptable to a wide range of soils. Splendid for summer pasture or will produce several cuttings of excellent hay. Sow in the spring after the soil becomes warm, at the rate of 20 pounds to the acre. Lb., 25c; 10 lbs., \$2.00.

SWEET or BOKHARA CLOVER (Melilotus Alba)—Grown for bee food, also good for cattle pasture and for hay. Sow 10 to 15 pounds per acre. Lb., 35c; 10 lbs., \$3.00.

PARCEL POST RATES

(Approximate) from San Francisco

Zone	Distance	1st Pound	Each Additional
1st	Within 50 Miles	\$0.08	1c
2nd	50-150 "	.08	1c
3rd	150-300 "	.09	2c
4th	300-600 "	.10	4c
5th	600-1000 "	.11	6c
6th	1000-1400 "	.12	7c
7th	1400-1800 "	.14	9c
8th	Over 1800 "	.15	11c

(The 8th zone includes U. S. Possessions)

NURSERY DEPARTMENT

Customers will please remember that when our busy season begins we are rushed with orders and it may be a few days before their orders receive attention; but they may rest assured that there will be no unnecessary delay in shipping.

GUARANTEE—The Hallawell Seed Company will exercise care to have all stock true to name; nevertheless, it is understood and agreed that should any stock prove untrue to name, the Hallawell Seed Company shall be liable only for the sum paid for the stock proving untrue, and shall not be liable for any greater amount.

PRICES quoted are f. o. b. San Francisco except where noted. Where express office differs from postoffice be sure to write each in the proper place on the order form.

CLAIMS—Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipment.

THE ROSE

December, January, February and March are the best months for planting but should the season be favorable you may still plant during the early part of April. The plants sent out during these months are what we call dormant two-year-old budded plants. Roses give best results when planted in a fairly sunny location and in good heavy sediment soil to which may be added some old manure or bone meal, but never use fresh manure. When planting, straighten out all roots and as the dirt is filled in see that it is well packed around them; this keeps out the air and encourages a new growth of rootlets. Be sure that the rose is planted so that the point where it is budded shall be just below the surface.

Pruning

This should be done during the months of December, January and February; at that time the bushes are in a dormant condition. Cut just above a prominent but dormant bud that is pointing outward.

The Tea Varieties (T.) require to be more severely pruned than any other sort. Cut back to about 6 or 7 inches from the old wood each year; keep the center of the plant open and thin out all the weak wood, leaving about 5 or 6 shoots, according to the size of the plant.

Hybrid Teas (H. T.) should have almost as much pruning done as the Teas.

Hybrid Perpetuals (H. P.)—First cut out any dead or weak wood, keeping the center of the plant open, then cut the remaining shoots down to sound, healthy wood to within 6 or 12 inches of the base; this hard pruning keeps the plants compact and promotes new life for future years. After the first year they require little pruning except to cut out dead wood.

Austrian and Hybrid Briars (H. B.) require to be cut back fairly hard when planted out but afterwards need no pruning except to cut out dead wood.

Polyantha or Baby Roses (P.) should be but little pruned; merely cut out dead wood and keep the center of the plant from getting too crowded.

Single (S.) require little (if any) pruning when established, but will be the better for being cut back when planted.

Climbers. These are not usually pruned severely as their purpose is for mass effect. They should, however, be periodically thinned out.

STANDARD ROSES

(Tree Roses)

The following varieties can be supplied in tree-shaped form in No. 1 grade on stout stems 3½ to 4 feet high, \$2.25 each; or in a lot of 10 or more \$2.00 each, f. o. b. San Francisco. Shipment by express is advised, as it is not practicable to send Standard Roses by Parcel Post.

AUTUMN—Burnt orange and pink.

CHARLES P. KILHAM—Coral-red.

DAME EDITH HELEN—Glowing pink.

DUCHESS OF ATHOLL—Golden bronze.

ETOILE DE HOLLANDE—Brilliant red.

GENERAL MacARTHUR—Bright red.

GOLDEN GLEAM—Yellow.

HOOSIER BEAUTY—Velvety crimson.

LADY FORTEVIOT—Yellow and apricot.

MRS. E. P. THOM—Deep canary yellow.

MRS. SAM MCGREDY—Copper and orange.

PRESIDENT HOOVER—Combination of cerise-pink, flame, scarlet and yellow.

ROSE MARIE—Rose pink.

TALISMAN—Orange and yellow in irregular proportions.

BUSH ROSES

All the roses we offer are extra strong 2-year old field grown No. 1 grade and will bloom freely the first season.

Quantity Rates

On orders for 10 to 25 roses deduct 10% from the total amount. When ordering more than 25 deduct 20%. Patent roses not included.

Bush and Climbing Roses are prepaid within the 4th zone on orders for \$1.00 and over. On orders for less than \$1.00 add 25c to cover cost of postage and handling.

Shipping Weights: One rose, 3 lbs.; each additional rose, 1 lb.

AMERICAN BEAUTY (H. P.)—Deep pink shaded toward the center with carmine-crimson. Large, fragrant. 50c.

ANGELE PERNET (H. T.)—Distinct in color, rich brownish orange. The flowers are semi-double, well formed and borne on stiff stems, hold their color well and possess some fragrance. Of moderate growth. 60c.

AUSTRIAN COPPER—See Single Roses, page 59.

AUTUMN (H. T.)—A most unusual color combination of deep burnt orange and pink streaked with red. Moderately fragrant and very lasting. The bush is a strong upright grower with thick, glossy foliage. 50c.

BABY DOLL or **TIP TOP**—A "Baby Rose" with well-shaped buds and reflexed flowers of pink and coppery yellow tipped with rose. Small growth and continuous bloom. 50c.

BRIARCLIFF (H. T.)—An improved Columbia. High-centered buds of excellent form; color bright pink; stems long, stiff and nearly thornless. 60c.

BETTY UPRICHARD (H. T.)—The inner surface of petals is a delicate salmon-pink to carmine, while the reverse of petals is a deep and glowing coppery carmine, suffused orange; a glorious combination of colors. It flowers freely and is an excellent grower. 50c.

BLACK PRINCE (H. P.)—Dark crimson, nearly black, medium size. 50c.

CATALONIA—A startling new color in roses, being a combination of velvety orange-scarlet, vermilion and cochineal red. The plants are of medium height and bushy. \$1.00.

CECIL—See Single Roses, page 59.

CECILE BRUNER (P.)—The well-known "Baby Rose." The miniature flowers are rosy pink shaded with salmon and usually borne in open clusters; in bloom for a long period. 50c.

CHARLES P. KILHAM (H. T.)—A remarkably fine flower of the Mme. Edouard Herriot type, with many more petals and an even more brilliant coloring of coral-red and orange on long straight stems. It is a strong grower with a prolific blooming habit. 60c.

CONDESA DE SASTAGO—This Spanish novelty is the first double rose to have the vivid colors of the brilliant species rose Austrian copper. The bud is like a ball of gold with red stripes. Fully open it is fiery copper and rich gold. 75c.

COUNTESS VANDAL (H. T.)—Long pointed bronzy buds of exquisite form opening to large flowers of pale salmon-pink shaded with coppery orange and yellow. A continuous bloomer and fragrant. \$1.00 (Patent).

CUBA (H. T.)—Somewhat resembles Padre, but its vivid long orange-scarlet buds are a little deeper in color and the stems are heavier. A semi-double rose of very tall growth and a good bloomer. 50c.

DAINTY BESS—See Single Roses, page 59.



Duquesa de Penaranda

DUQUESA DE PENARANDA—This grand rose produces long pointed buds of apricot, orange and dark pink. Curiously in the Fall the flowers are of a cinnamon peach color. A continuous bloomer. \$1.00.

DAME EDITH HELEN (H. T.)—A glowing pink variety which holds its color with age. The flowers are large and full, of perfect form, carried on rigid, erect stems. Vigorous grower, free flowering and sweet scented. 50c.

DIRECTOR RUBIO (H. T.)—Flowers are dark carmine in bud, opening to a warm rich pink. The large thick petals are interspersed with short curled ones giving the strong stemmed flowers a peony-like form. 50c.

DUCHESS OF ATHOLL (H. T.)—One of the most outstanding of the newer varieties. Full, double flowers on heavy stems in a very rich shade of golden bronze flushed orange. A continuous bloomer and vigorous grower. 50c.

EDITH NELLIE PERKINS (H. T.)—Long pointed buds opening to large full flowers on stiff stems. The flowers are two-toned, orange-buff inside the petals and a rich salmon and coppery pink outside. A vigorous grower. 50c.

E. G. HILL (H. T.)—A fine red rose with immense flowers of a dazzling scarlet, shading to a deeper red as they develop; the fragrant flowers are borne on long stems; of strong, vigorous and free flowering habit. 50c.

ETOILE DE HOLLANDE (H. T.)—Brilliant red blooms of magnificent size, perfect in half-open state and holds its color when fully open. One of the most fragrant roses; of branching habit and free flowering. 60c.

FEU PERNET-DUCHER (H. T.)—This beautiful new rose has received much favorable comment in national garden publications. The color is rich yellow, growing lighter toward the edges which are lightly flushed pink. It blooms well during spring and summer, but produces its best and most colorful blooms in late summer and fall. \$1.50 (Patent).

FRAU KARL DRUSCHKI (H. P.)—Also known as the White American Beauty. Pure snow-white; immense long buds; shell-shaped petals, opening to very large flowers. Of very strong upright growth; a continuous bloomer. 50c.

FEDERICO CASAS (H. T.)—Richly colored buds of reddish orange which open to semi-double flowers of coppery pink with an intense yellow center. Somewhat like Talisman but a much stronger grower with many more flowers. More highly colored than Talisman but not quite so double. 75c.

GAIETY (H. T.)—A medium sized flower of orange, Indian-red and silver; same parentage as Talisman though not so variable; moderately fragrant. A vigorous grower and continuous bloomer. 50c.

GENERAL MacARTHUR (H. T.)—Bright scarlet-red, large and full; buds of an ideal shape, carried on strong stalks; sweetly scented; vigorous grower and free bloomer. 50c.

GOLDEN DAWN (H. T.)—An Australian rose of vigorous growth and continuous bloom. The oval buds are rich sunflower-yellow opening into splendid large double sweetly scented flowers of light lemon-yellow. 60c.

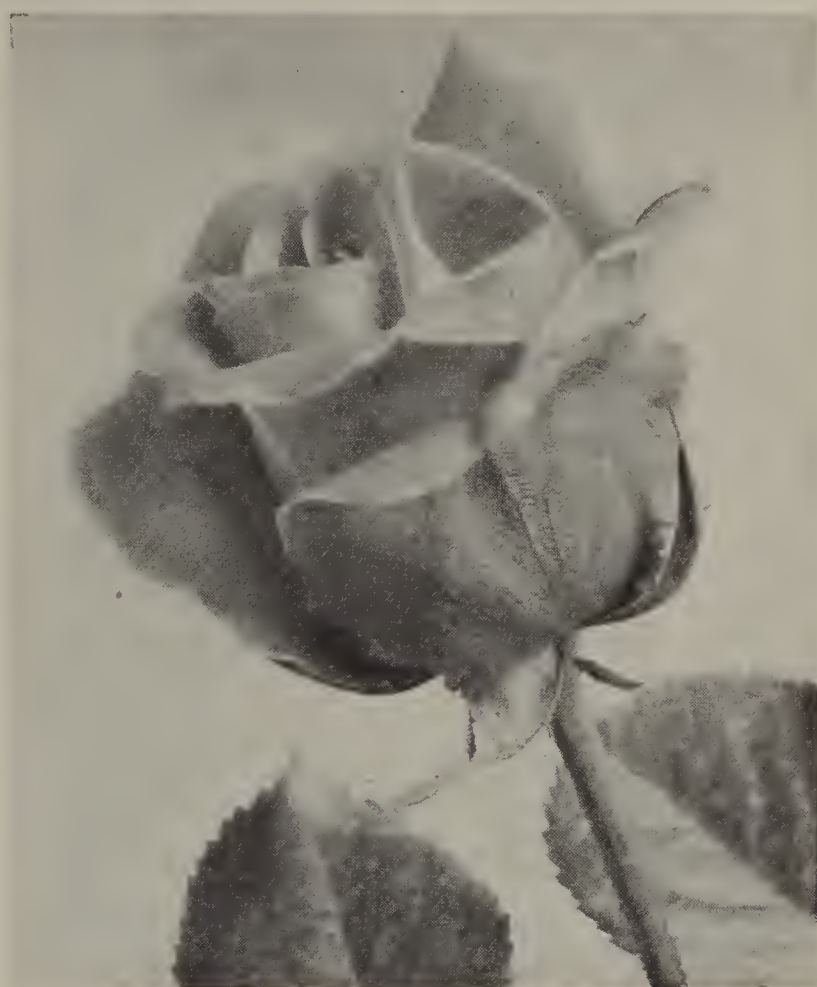
GOLDEN EMBLEM (H. T.)—Flowers are large and of perfect shape. The long golden yellow buds are tinted with crimson on the outer petals and open to a full golden yellow flower. A perpetual bloomer, of free and branching habit with glossy green foliage. 60c.

HEINRICH WENDLAND—Large, very double flowers of reddish copper, with an orange flush, the backs of the petals being a rich orange. Flowers are on strong stems. Fragrant. 60c.

HOOSIER BEAUTY (H. T.)—One of the best red roses, of rich velvety crimson color which does not fade. Richly fragrant; a good bloomer. 50c.



E. G. Hill



Hinrich Gaede

HINRICH GAEDE—This is a very desirable rose. The color is rosy copper, also described as crimson on orange background or copper orange. The buds are very large and are usually borne singly on long, strong stems. \$1.00.

HORTULANUS BUDDE—Attractive, dark red buds opening to orange-scarlet flowers with yellow center. A very fine bedding rose because of its low bushy growth and free blooming qualities. 60c.

INNOCENCE—See Single Roses, page 59.

I. ZINGARI (H. T.)—Vivid orange-scarlet buds opening to almost single vivid orange-yellow flowers covering the plant with a mass of bloom; very striking. 60c.

JULES GAUJARD (H. T.)—Very large, cupped, extremely lasting and intensely fragrant flowers of bright orange-red flushed with carmine. Vigorous grower with disease-resistant foliage. 60c.

LADY FORTEVIOT (H. T.)—Golden yellow and apricot, sweet scented; of similar form to Angele Pernet; foliage dark and glossy. An excellent variety. 60c.

IRISH ELEGANCE—See Single Roses, page 59.

IRISH FIREFLAME—See Single Roses, page 59.

ISOBEL—See Single Roses, page 59.

LOS ANGELES (H. T.)—A vigorous grower and continuous bloomer, producing long stemmed fragrant flowers of a brilliant flame-pink shading to coral and gold at the base of the petals; buds long and pointed. 50c.

LUCIA ZULOAGA—Large semi-double blooms of brownish scarlet, also described as intensive lacquer red. It has a rich fragrance. \$1.00.

LUIS BRINAS—A very attractive color combination of orange-copper. Well formed pointed buds which open slowly, with the petals curling back. A vigorous, upright growing plant with bronzy new foliage. \$1.25 (Patent).



Etoile de Hollande

MARGARET McGREDY (H. T.)—Large ovoid buds and double, cupped flowers of solid orange-vermilion on strong stems. A marvelous color. Vigorous grower and continuous bloomer. 60c.

MARI DOT (H. T.)—A striking color of reddish salmon-yellow with a satiny sheen; the flower opening to clear bright salmon and salmon-pink and gold at base of petals. Strong grower and free bloomer. 60c.

MARY HART (H. T.)—A beautiful new sport of Talisman having the same form but a longer bud. The rose is large, double and intensely fragrant and a maroon-red color which does not turn blue. A vigorous grower and profuse bloomer. \$1.00 (Patent).

McGREDY'S IVORY (H. T.)—The buds are long and pointed, opening to perfectly formed flowers of creamy white with light yellow at the base of petals. A strong grower with excellent foliage and a prolific bloomer. 75c.

MISS ROWENA THOM—Very large, long pointed buds and enormous blooms, fully double and opening perfectly. The color is bright rose-pink. Its free blooming qualities and vigorous habit of growth make it a very desirable rose. 60c.

MME. BUTTERFLY (H. T.)—A splendid sport of Ophelia with all its good characteristics. Flowers are a light pink suffused apricot and gold. 50c.

MME. COCHET-COCHET—Long pointed buds of a coppery-pink, flushed orange. The color of the open flower is the same as the bud except that the orange changes slightly to gold. This is a strong growing variety with good foliage. \$1.25 (Patent).

MME. EDOUARD HERRIOT, the **DAILY MAIL ROSE** (H. T.)—The buds, which are long and pointed, are coral-red shaded yellow at base; the open flowers of medium size and semi-double are a beautiful coral-red shaded with yellow and bright rosy scarlet. 50c.

MRS. A. R. BARRACLOUGH (H. T.)—Large conical buds and enormous pure pink flowers shading to light yellow towards the center; fragrant, strong grower and free bloomer. 50c.

MRS. ERSKINE PEMBROKE THOM (H. T.)—Color is a distinct, clear, deep canary-yellow. The buds are of good long shape and develop into good-sized full flowers. The plant is of exceptional vigor and blooms very freely. 50c.

MRS. HENRY BOWLES (H. T.)—A very large firm ovoid bud of warm glowing pink, opening to big full flowers. In constant bloom from early spring until late fall. 50c.

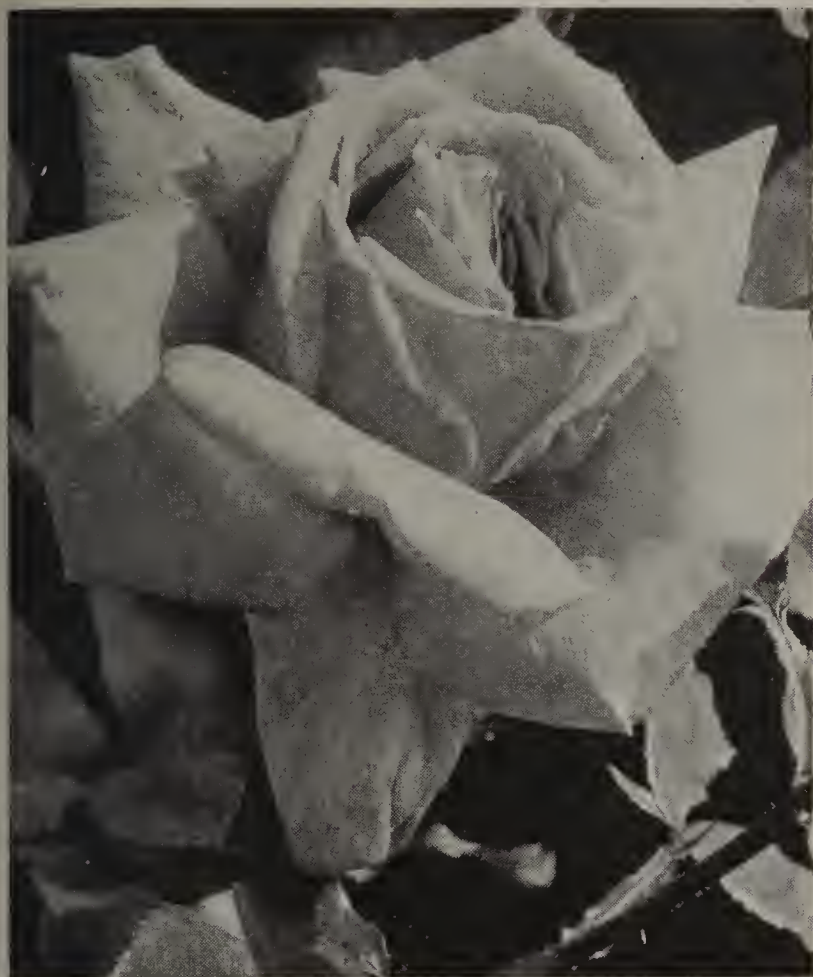
MRS. SAM McGREDY (H. T.)—Buds are large and long pointed; the open flowers are double, moderately fragrant and very lasting. The color is a wonderful combination of red, copper and orange, changing to warm pink with gold suffusion as the flower ages. A continuous bloomer of low and spreading growth. 75c.

NATIONAL FLOWER GUILD—Huge, bright red flowers, fully double borne on large plants with slightly drooping foliage. A continuous bloomer, even during the hot summer season when other roses are resting. A modern rose in every way. 60c.

OPHELIA (H. T.)—Flowers salmon-flesh shaded with rose, large good shape, standing up well on stiff stems; fragrant and very free flowering. 50c.



Mrs. Henry Bowles



President Plumecocq

PRES. PLUMECOCQ—A strong, upright plant producing a great number of coppery-yellow buds which open into large cupped blooms of coppery-buff with a glow of deep salmon pink. Fragrant throughout the season. 60c.

PADRE (H. T.)—A most novel and attractive coloring, with fine long petals of coppery scarlet flushed with yellow at the base; semi-double. Erect strong bush; blooms with exceptional freedom. 50c.

PRESIDENT HOOVER (H. T.)—A charming combination of cerise-pink, flame, scarlet and yellow. The buds are pointed and the flowers large, composed of broad, heavy petals with an exquisite fragrance. Of good habit of growth and free flowering. 50c.

QUEEN ALEXANDRA (H. T.)—Color intense vermillion, deeply shaded old gold on reverse of petals; a remarkable and pleasing color combination, which is quite pronounced during cool weather; in hot weather the colors are dulled. 50c.

RADIANCE (H. T.)—Brilliant rose-pink; full flowers of beautiful form. 50c.

RAPTURE (H. T.)—Pointed buds opening to large well shaped flowers of deep salmon with a bright golden suffusion. Strong grower and free bloomer; a sport of Mme. Butterfly. 50c.

RED RADIANCE (H. T.)—Clear cerise-red, large, full and well formed; a fine garden variety. Fragrant, prolific bloomer and vigorous grower. Same habit of growth as Radiance. 50c.

REV. F. PAGE ROBERTS (H. T.)—Long buds stained copper-red opening to full double flowers of buff-yellow; vigorous grower and free bloomer. 50c.

ROSE MARIE (H. T.)—Long buds and well formed full flowers of a clear rose-pink which does not readily fade. Delightfully fragrant and extremely free flowering. Strong grower. 50c.

SHOT SILK (H. T.)—A beautiful combination of orange-rose overlaid with yellow and suffused with pink. Buds and flowers of medium size, fragrant and produced freely. Of moderate growth. 50c.

SOUVENIR DE MME. BOULLET (H. T.)—A fine dark yellow rose with long slender buds opening to large full flowers. A vigorous grower. 60c.

TALISMAN (H. T.)—A vividly colored rose being a mixture of orange and yellow in irregular proportions, varying so much that no two flowers are alike; fairly double, borne on long stems, sweet scented. 50c.

ULRICH BRUNER (H. P.)—Bright cherry-red, large fine form; a strong hardy grower; highly perfumed. Blooms profusely in early summer. 50c.

VESUVIUS—See Single Roses below.

VILLE DE PARIS (H. T.)—A clear sunflower-yellow rose which does not fade even in the hottest sunshine. A vigorous erect grower with glossy reddish green foliage. A continuous bloomer. 60c.

WARRAWEE—Long pointed buds of salmon-pink opening to large flowers of exquisite shell pink with a slightly darker reverse. It has the delicious fragrance of Clove pinks, beautifully formed flowers, attractive bronzy new foliage. \$1.25 (Patent).

SINGLE BUSH ROSES

AUSTRIAN COPPER (H. B.)—Rich coppery red, reverse of petals yellow; single. Short blooming period. 60c.

CECIL—Large single clear buttercup-yellow flowers produced in clusters. A strong spreading grower with glossy foliage. 60c.

DAINTY BESS—Medium sized single flowers borne in clusters of three. Delicate pink in color with a contrasting center of wine-red stamens. A strong tall grower and profuse bloomer. 50c.

INNOCENCE—Large semi-single pure white with contrasting amber stamens. A moderate grower with disease-resistant foliage. 50c.

IRISH ELEGANCE—A single rose, bronze pink buds, opening with shades of apricot and yellow. Very strong growth and continually in flower. 50c.

IRISH FIREFLAME—A large single rose; buds are a rich deep orange flushed with crimson opening to an old gold color. Strong growth and profuse bloom. 50c.

ISOBEL—A single rose with exquisitely pointed buds and flowers with huge petals flushed with carmine-red and orange, becoming pink with age; fragrant. Very vigorous and floriferous. 50c.

VESUVIUS—The best single red rose. Bright scarlet-crimson with a golden center; fragrant and lasting several days when cut; free bloomer and a tall grower. 50c.

Moss Roses

Moss Roses bear a crown of lacy moss upon the stems and sepals and are exquisitely lovely in bud. The bushes are large and vigorous but should be left unpruned for best results. They look best in back of other roses or shrubbery.

Pink, Red, White—60c each.

CLIMBING ROSES

All the climbing roses we offer are extra strong 2-year old field grown No. 1 grade.

BANKSIA YELLOW—A thornless climber, with glossy evergreen foliage. The flowers are small but bloom in great profusion in spring and early summer. 60c.

BELLE OF PORTUGAL—Large flowers of a delicate soft pink tinged with salmon. Because of its strong growth it does not bloom for a year or two, but thereafter produces a mass of bloom in May and June. 50c.

BLAZE—A new everblooming scarlet-red climber sometimes called the everblooming Paul's Scarlet. Flowers and growth same as Paul's Scarlet. The originators claim it to be a free continuous bloomer. \$1.00 (Patent).

CHEROKEE PINK—A single rose of a delicate clear pink color. A vigorous climber with glossy foliage. 50c.

CHEROKEE RED or **RAMONA**—Same as above, but flowers are deep rosy carmine. 50c.

CLIMBING CAROLINE TESTOUT (H. T.)—A very quick-growing climbing rose. The blossoms are a satiny pink color and very large. A continuous bloomer. 50c.

CLIMBING CECILE BRUNER (P.)—A very rampant grower. The small flowers are salmon-pink shading deeper toward the center and come in clusters; free bloomer. 50c.

CLIMBING CHAS. P. KILHAM (H. T.)—A strong grower with large full flowers of coral-red flushed with orange and scarlet. 75c.

CLIMBING DUCHESS OF ATHOLL—A rich shade of golden bronze flushed orange. An outstanding variety. 75c.

CLIMBING ETOILE DE HOLLANDE (H. T.)—The climbing form of this very popular rose. Large, brilliant red blooms. 75c.

CLIMBING FRAU KARL DRUSCHKI—Very large pure white blooms, thick petals and strong stems. An excellent climber. 50c.

CLIMBING GENERAL MacARTHUR (H. T.)—Bright scarlet-red, large and full, fragrant. A vigorous and free flowering climber. 50c.

GOLDEN CLIMBER—Beautiful golden-yellow blooms usually borne singly on very long stems. This rose has had much favorable comment and has won many medals. \$1.00 (Patent).

CLIMBING GOLDEN EMBLEM—A rampant climber with enormous, heavy canes producing quantities of double golden yellow flowers. 60c.

CLIMBING HADLEY (H. T.)—A vigorous climber with deep crimson, fragrant blossoms which are produced all through the summer. 50c.

CLIMBING HOOSIER BEAUTY (H. T.)—Of strong vigorous habit, bearing beautiful long buds of an intense rich, dazzling crimson-scarlet. 50c.

CLIMBING IRISH FIREFLAME (H. T.)—A vigorous climbing type of the beautiful single rose, producing in profusion throughout the summer sprays of bright-colored flowers tinted orange-crimson and gold. 50c.

CLIMBING LOUISE C. BRESLAU (H. T.)—The large, full peony-like flowers are a lovely soft salmon-pink. The climber is better than the bush. 50c.

CLIMBING LADY HILLINGDON (T.)—Apricot-yellow; a climbing sport of the bush variety. 50c.

CLIMBING LOS ANGELES (H. T.)—Luminous flame-pink with golden shading at the base of the petals. A vigorous climber and free bloomer. 50c.

CLIMBING MME. BUTTERFLY (H. T.)—A vigorous climber with slender shapely buds of shell-pink with gold base. Sweetly scented. 50c.

CLIMBING MME. EDOUARD HERRIOT (Climbing Daily Mail) (H. T.)—A vigorous climbing rose with the coral-red colorings of the bush Mme. Edouard Herriot. 50c.

CLIMBING MRS. AARON WARD (H. T.)—A vigorous and free flowering climber; color, Indian-yellow shading lighter towards the edges. 50c.

CLIMBING MRS. E. P. THOM (H. T.)—A vigorous climber with medium sized deep canary-yellow flowers. 75c.

CLIMBING OPHELIA (H. T.)—A vigorous climbing form of the grand Ophelia rose which is so popular. 50c.

CLIMBING PRESIDENT HOOVER (H. T.)—A rampant climbing form of the popular bush rose. Identical in color and form of bloom. 50c.

CLIMBING QUEEN ALEXANDRA (H. T.)—A strong climber; the flowers are the same color as on the bush variety. 75c.

CLIMBING ROSE MARIE (H. T.)—The clear rose-pink flowers are larger than on the bush form and are produced very freely, fragrant. A fine climber. 50c.

CLIMBING SHOT SILK (H. T.)—Another fine climber. Flowers slightly larger than the bush type and of the same orange-rose color suffused with pink. 50c.

CLIMBING TALISMAN (H. T.)—Flowers are the same wonderful color and lovely form as the bush variety; a very free bloomer. 50c.

MERMAID—Beautiful single flowers of great size; pure ivory white with a lemon center; fragrant. The foliage is a deep shiny green; disease resistant. A very vigorous grower and profuse bloomer. 75c.

MADAME ALFRED CARRIERE (N.)—A vigorous climber; creamy white, shaded yellow at center. 60c.

MME. STAECHELIN (Spanish Beauty)—A beautiful rose from Spain with long crimson buds that open to large semi-double flowers of delicate pink with wavy petals stained on the outside with crimson. A vigorous grower which produces a mass of bloom in May and June. 50c.

PAUL'S SCARLET CLIMBER—The flowers are a vivid scarlet, of good size and semi-double, very freely produced in clusters on much branched canes. It is of strong climbing habit and perfectly hardy. 50c.

SILVER MOON—Single white flowers of large size; a very vigorous grower; fine foliage. Mostly a spring bloomer. 50c.

Standard or Tree Roses—See page 55.

Coniferous Trees and Shrubs

F. O. B. San Francisco

CEDRUS

(Cedar)

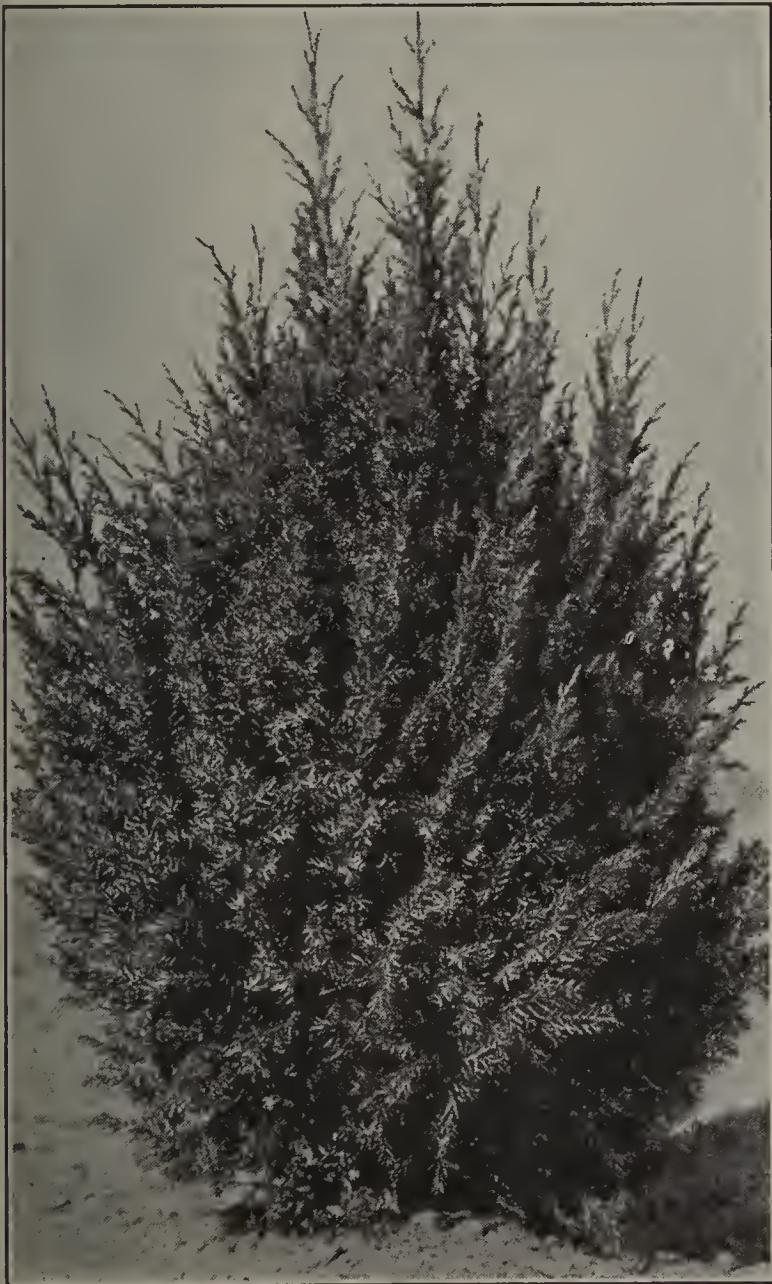
ATLANTICA (Mt. Atlas Cedar)—A large tree of open growth and pyramidal in habit. Foliage dark green. Balled, 3 to 4 feet, \$2.75 each. Balled, 4 feet, \$3.00 each.

ATLANTICA GLAUCA—A beautiful symmetrical tree with foliage of intense silvery blue. Balled, 3 to 4 feet, \$3.25 each. Balled, 5 to 6 feet, \$4.75 each.

DEODORA (Indian or Himalayan Cedar)—Exceedingly handsome; branches are drooping, with silvery green foliage; fine for planting in a large lawn. Balled, 2 to 3 feet, \$2.50 each. Balled, 3 to 4 feet, \$3.00 each. Balled, 4 to 5 feet, \$3.75 each.

CRYPTOMERIA

ELEGANS—A low, dense tree with horizontal branches and pendulous branchlets. The foliage is bright green turning bronzy crimson in the fall and retains this tint throughout the winter. Balled, 3 to 4 feet, \$3.50 each.



Juniper, Excelsa Stricta



Juniper, Wilson's Weeping

CHAMAECYPARIS

(Flat Branched Cypress)

LAWSONIANA ALUMI (Blue Lawson Cypress)—Of dense growth and columnar habit. Foliage very glaucous, with a bluish metallic hue. Balled, 2½ to 3 feet, \$2.50 each. Balled, 3 to 4 feet, \$3.00 each.

LAWSONIANA FILIFERA (Thread-like Cypress)—A graceful weeping plant. Branchlets long, slender and thread-like; foliage a medium shade of green; of slow growth. Balled, 2 to 2½ feet, \$2.50 each.

LAWSONIANA FILIFERA AUREA NANA (Thread-like Cypress)—A graceful, dwarf, weeping plant of a very distinct type. Branches thread-like; foliage on young growth golden yellow. Balled, 15 to 18 inches, \$2.00 each. 1½ to 2 feet, \$2.50.

LAWSONIANA STEWARTI (Golden Lawson Cypress)—One of the most satisfactory golden varieties, retaining its golden color throughout the year. Of rather slow growth with feathery, graceful foliage. Balled, 2 to 2½ feet, \$1.50 each.

NIDIFERA (Bird's Nest Cypress)—A dwarf spreading variety, of compact habit with feathery foliage. Specimen plants. Balled, 1½ feet spread, \$2.00 each.

PLUMOSA AUREA (Golden Plume Cypress)—A very showy form, the young growth being of golden-yellow color. Balled, 18 to 24 inches, \$2.50 each.

CUPRESSUS

(Cypress)

MACROCARPA (Monterey Cypress)—A native of California, and one of the most desirable of evergreens; stands pruning well; very extensively planted for hedges. Gallon cans, 2 to 3 feet, 60c each; \$5.00 per 10.

JUNIPER

Varieties illustrated are listed on the following page.

California customers please include Sales Tax

JUNIPERUS

(Juniper)

CHINENSIS PFITZERIANA (Pfitzer's Juniper)—Has bushy widespread horizontal branches, and forms an immense flat irregular head of bluish green foliage, graceful in outline, 6 to 8 feet in height and the same across. Gallon cans, 1½ feet, 75c each. Balled, 1½ to 2 feet, \$2.50; 2½ to 3 feet, \$3.25 each.

CHINENSIS PROCUMBENS (Japanese Creeping Juniper)—A prostrate creeping variety with dense compact blue-green foliage. Good for the rockery and for covering slopes. Gallon cans, 18 inches, 75c each.

CHINENSIS TORULOSA (Hollywood Juniper)—A most beautiful variety of narrow, semi-erect habit with wavy outline; foliage rich green. Highly attractive. Balled, 3½ to 4 feet, \$4.00 each.

EXCELSA STRICTA (Upright Juniper)—A handsome compact shrub, wide at base and tapering at the top; color silvery gray-green, of great merit in coniferous groupings, owing to color and habit. Specimen plants. Balled, 1 to 1½ feet, \$1.75 each.

SABINA TAMARISCIFOLIA (Tamarisk Leaved Juniper)—A very fine creeping variety seldom more than 1 foot high and attaining a spread of 6 to 8 feet, making a dense compact mat of gray-green foliage which never changes color. Balled, 1 to 1½ feet, \$1.50; 1½ to 2 feet, \$2.25; 2 to 2½ feet, \$3.00 each.

SQUAMATA MEYERI (Meyer Juniper)—Four feet. A fine irregular upright shrub with dense shining blue foliage. One of the most striking in color of the conifers. Balled, 1½ to 2 feet, \$2.50 each. Balled, 2 to 2½ feet, \$3.00 each.

VIRGINIANA GLAUCA (Silver Red Cedar)—An upright tree of compact growth, columnar form and blue, cypress-like foliage. Balled, 4 to 5 feet, \$4.50 each.

WILSON'S WEEPING—A beautiful slow growing variety of spreading habit with both needle and scale leaves, branches are pendulous at the extremities. Balled, 1½ to 2 feet, \$2.50 each.

LIBOCEDRUS

DECURRENS (Incense Cedar)—A native tree of the California mountains and one of our finest evergreen trees. Makes a tall, narrow, pyramidal or columnar tree with deep green lustrous foliage, very dense and compact. Balled, 4 to 5 feet, \$3.50 each.

PICEA

(Spruce)

ENGELMANNI (Engelmann's Spruce)—Tree of regular pyramidal shape, with slender, spreading branches. Leaves acute, bluish green and very aromatic. Balled, 4 to 4½ feet, \$4.00 each.

EXCELSA (Norway Spruce)—A handsome tree of rapid growth; foliage in California is bright green; cones large. The branches become graceful and drooping with age. Balled, 2 to 3 feet, \$2.50 each. Balled, 3 to 4 feet, \$3.50 each.

PINUS

(Pine)

MUGHUS (Dwarf Mugo Pine)—Desirable for rockeries, etc. Balled, 1 to 1½ feet, \$2.50 each. Balled, 1½ to 2 feet, \$3.25 each.

RADIATA (Monterey Pine)—The most desirable Pine for shade, and more extensively planted than any other variety in this State. Gallon cans, 2 feet, 60c each; \$5.50 per 10.

SEQUOIA

(Redwood)

SEMPERVIRENS (California Redwood)—A native ornamental tree of rapid growth and of tapering pyramidal habit. Branches stand out horizontally; leaves dark green with pale bands beneath. Fine as a specimen and in mass effects. Gallon cans, 3 feet, 75c each.

THUYA

(Arbor Vitae)

OBTUSA (Hinoki Cypress)—A handsome tree with horizontal branches and fern-like tufts of leaves which are dark green. Excellent rock garden subjects; slow growing. We have an assortment of sizes, suitable for rock gardens or formal plantings. Balled specimens, \$5.00 up.

OCCIDENTALIS PYRAMIDALIS—This variety forms a tall, narrow column of bright green foliage. Much more effective than Italian Cypress for entrance plantings or for accent in a formal garden. Balled, 3 to 4 feet, \$2.75 each.

ORIENTALIS AUREA BERCKMANIANA (Berckman's Golden Arbor Vitae)—Dwarf compact evergreen shrub with bright golden yellow tinted foliage, retaining its wonderful color and form under all conditions; well adapted to garden and porch ornamentation. Balled, grafted, plants 1 to 1½ feet, \$1.50 each.

TAXUS

(Yew)

BACCATA FASTIGIATA (Irish Yew)—A slow growing tree of dense, columnar habit; foliage is of the darkest hue; bears large red berries. Balled, 3 to 3½ feet, \$4.25 each. Balled, 3½ to 4 feet, \$4.75 each. Balled, 4 to 4½ feet, \$5.50 each. Balled, 4½ to 5 feet, \$6.50 each. Balled, 5 to 5½ feet, \$9.00 each. Balled, 6 to 6½ feet, \$11.00 each.

TSUGA

(Hemlock)

HETEROPHYLLA (Mountain Hemlock)—A beautiful native tree; foliage borne as in immense plumes, somewhat glaucous. Tree very symmetrical in growth. Prefers a cool, partially shaded location. Balled, 4 feet, \$3.50 each.



Thuya, Occidentalis Pyramidalis

Evergreen Trees and Shrubs

Prices quoted on Trees and Shrubs are f. o. b. San Francisco.

The figure following the name of the plant indicates the average height it attains and is given for your guidance in planting.

ABELIA

FLORIBUNDA (Mexican Abelia). 6 ft. A new variety with showy carmine, tubular flowers, with white throats. Flowers are about 2 inches long and are borne singly or in clusters of 2 or 3. Blooms profusely from spring to early summer and again, less profusely, in late summer. The small leaves are ovate and dark green. Gallon cans, 75c each.

GRANDIFLORA. 6 ft. A pretty free-flowering shrub, remaining in bloom during the entire summer, bearing tubular flowers almost one inch long, white, flushed pink. Gallon cans, 60c each. Balled, 3 to 4 feet, \$1.75 each.

SCHUMANNI. 6 ft. A beautiful new Abelia, with flowers much larger than A. Grandiflora. Color is soft pinkish lavender. Loses most of its foliage in the winter. Gallon cans, 75c each.

ACACIA

Highly ornamental and decorative, rapid growing shrubs and trees which are natives of Australia.

ARMATA (Kangaroo Thorn). 10 ft. A spreading shrub with long slender branches. Small deep green leaves with a small sharp thorn at each leaf; flowers light yellow, borne all along the branches; blooms in February. Gallon cans, 3 feet, 50c each; \$4.50 per 10. Gallon cans, 4 to 5 feet, 60c each; \$5.50 per 10.

BAILEYANA. 30 ft. Very ornamental tree, with bluish green feathery foliage and covered with a mass of bright canary-yellow flowers in January. Gallon cans, 3 to 4 feet, 50c each. Gallon cans, 4 to 5 feet, 60c each. Gallon cans, 5 to 6 feet, 75c each.

FLORIBUNDA. 25 ft. A rapid-growing tree of pendulous habit, with long, narrow foliage; flowers come in racemes of bright yellow, blooming throughout the summer, useful for avenue and street planting. Gallon cans, 4 to 5 feet, 50c each; \$4.50 per 10. Gallon cans, 5 to 6 feet, 75c each.

LATIFOLIA. 15 to 25 ft. Used extensively in Golden Gate Park for windbreaks and is also a valuable hedge plant; leaves are long and flowers golden yellow. Gallon cans, 3 to 4 feet, 50c each; \$4.50 for 10. Gallon cans, 4 to 5 feet, 60c each; \$5.50 per 10. 5-gallon cans, 7 to 8 feet, \$2.00 each.

MELANOXYLON (Blackwood Tree). 40 ft. Valuable for sidewalk or avenue trees; it has few equals, being of very rapid growth, and it can be trimmed so as to make beautiful specimens. Flowers pale yellow, blooms in March. Gallon cans, 4 to 5 feet, 50c each; \$4.50 per 10. Gallon cans, 5 to 6 feet, 60c each; \$5.50 per 10. Gallon cans, 6 to 7 feet, 75c each; \$7.00 per 10. 5-gallon cans, 6 to 8 feet, headed \$2.00 each.

VERTICILLATA. 10 ft. A spreading shrub with fine needle-like leaves; flowers deep yellow, blooms in April and May. Fine for grouping. Gallon cans, 3 to 4 feet, 50c each; \$4.50 per 10. Gallon cans, 4 to 5 feet, 60c each; \$5.50 per 10.

ANDROMEDA

(Pieris)

JAPONICA. 5 ft. A compact, low growing shrub with small dark green foliage and long panicles of dull bronzy red buds which appear during the summer and open into white flowers in spring. Balled, 1 to 1½ feet, \$2.00 each.

ARALIA

(Fatsia Japonica)

SIEBOLDII. 6 ft. A massive plant of tropical appearance with very large shining green, deeply lobed leaves. A splendid porch plant and also suitable for outdoors in the shade. Gallon cans, 75c each.

ARBUTUS

(Strawberry Tree)

JUNEDO. 10 ft. A moderate sized shrub, with clean, attractive foliage. White flowers appear in winter months and with them the large, red strawberry-like fruits of the previous season. Gallon cans, 60c each. Balled, 1½ to 2 feet, \$1.50 each.

AUCUBA

JAPONICA. 5 ft. This shrub is sometimes called the "Gold Dust Tree," on account of the large glossy foliage marked with yellow spots. Of slow spreading growth. In the warmer sections it should have partial shade. Fine for porch decorations. Gallon cans, 60c each and 75c each.

AZALEA

HINODIGIRI (Japanese Evergreen Azalea). 2 ft. Flowers bright red, appearing very early in the season; of dwarf habit. Balled, 6 to 8 inches, with flowering buds, \$1.00 each. Balled, 8 to 9 inches, with flowering buds, \$1.25 each.

HEXE, FIREFLY. 2 ft. A dwarf evergreen variety of recent introduction with large semi-double crimson flowers. Balled, 6 to 8 inches, with flowering buds, \$1.00 each. Balled, 8 to 9 inches, with flowering buds, \$1.25 each.

AZARA

MICROPHYLLA. 10 ft. A graceful shrub with arching pendulous branches and small dark green glossy leaves. Has minute white flowers. Fine for covering walls or fences. Gallon cans, 1½ to 2 feet, 60c each.

BERBERIS

(Barberry)

DARWINII. 5 ft. A densely branched, spreading shrub, with thick and leathery foliage; flowers orange-yellow and very fragrant, followed by purple fruit; the best of the species. Gallon cans, 1 to 1½ feet, 60c each. Balled, 1½ to 2 feet, \$1.25 each. Balled, 2 to 3 feet, \$1.50 each.

WILSONAE. 3 ft. An introduction from western China of very dwarf habit with small glossy green leaves and long spines. The foliage in the fall assumes beautiful red tints; has attractive red berries in the winter. Balled, 1 to 1½ feet, \$1.00 each. Balled, 2 to 3 feet, \$1.25 each. Balled, 3 feet, \$1.50 each.



Arbutus (Strawberry Tree)

Please include Sales Tax within the State of California



Bouvardia Humboldtii

BOUVARDIA

HUMBOLDTI. 4 ft. A small shrub with drooping branches producing large, white Jasmine-like flowers in close terminal clusters during summer and fall; intensely fragrant towards evening. Requires partial shade and a protected position as it will not endure a temperature less than 26 degrees above zero. Gallon cans, 85c each.

BUDDLEIA

VARIABILIS MAGNIFICA, 10 to 15 ft. Commonly known as the Butterfly Bush or Summer Lilac. Produces large drooping panicles of purplish-violet flowers in great profusion all summer. Gallon cans, 50c each.

ASIATICA. 8 ft. Fast growing, with silvery green foliage, bearing in winter many slender 6-inch spikes of fragrant white flowers. Gallon cans, 60c each.

MADAGASCARIENSIS. 15 to 20 ft. A quick-growing shrub with broad dark green foliage; flowers coppery orange and slightly fragrant. Gallon cans, 60c each.

BOXWOOD

(Buxus)

SUFFRUTICOSA—Dwarf, for edging purposes. Heavy, 85c per 10; \$7.00 per 100. Extra heavy, \$1.00 per 10; \$7.50 per 100.

CALLISTEMON

(Bottle Brush)

RIGIDUS. 6 ft. A showy flowering shrub with red flowers which are the exact shape of a bottle brush. Often known as *Metrosideros*. Gallon cans, 50c each.

CAMELLIA

Beautiful winter-flowering evergreens, with shining dark green foliage and magnificent wax-like flowers blooming very profusely all winter. Should be grown in a partially shaded, well sheltered location. Quite hardy.

The better varieties of Camellias are scarce and stock is limited. Varieties, sizes and prices will be quoted on application.

CANTUA

BUXIFOLIA. 6 ft. A summer flowering shrub of branching habit, with small box-like foliage. The showy crimson tubular flowers, 2½ inches long, are produced in clusters on long, drooping branches. A free bloomer and about as hardy as a Fuchsia; should be grown in an open sunny place. Gallon cans, 1 to 1½ feet, 60c each.

CASSIA

TOMENTOSA. 10 ft. A large shrub of very strong and erect growth. Leaves, pinnate; flowers yellow, saucer shaped. Extremely free flowering. Gallon cans, 50c each.

CEANOTHUS

(California Wild Lilac)

CYANEUS. 5 to 10 ft. A native shrub with small, glossy green leaves and very dark blue flowers which appear late in the spring. Gallon cans, 1½ feet, 75c each.

CESTRUM

AURANTIACUM. 10 ft. A strong-growing shrub blooming in the fall and early winter. The orange-yellow tube-shaped flowers are 1½ inches long and are borne in clusters, followed by snow-white berries. Gallon cans, 60c each.

FASCICULATUM. 10 ft. A quick-growing shrub of tall and slender habit. The bright red flowers are trumpet-shaped and are borne in compact clusters at the ends of the branches. Gallon cans, 50c each.

PARQUI (Night-Blooming Jasmine). 10 ft. A shrub of moderate growth with greenish-yellow flowers which are very fragrant at night. Gallon cans, 60c each.

CHOISYA

(Mexican Orange)

TERNATA. 4 to 6 ft. A compact shrub with bright glossy green divided leaves, flowers white, fragrant and borne in clusters. Gallon cans, 60c each. Balled, 1½ to 2 feet, \$1.50 each.

CHORIZEMA

ILLICIFOLIUM. 6 ft. An attractive spring flowering shrub, with slender, drooping branches, orange-red, Pea-shaped flowers in loose racemes, and Holly-like leaves. Native of Australia. Gallon cans, 1½ feet, 60c each.

COTONEASTER

Ornamental shrubs with orange or red berries remaining on throughout the whole winter; some are of upright growth and others of low-spreading habit.

FRANCHETI. 8 ft. A graceful shrub of upright growth and very arching branches, leaves are downy. Flowers pink, followed by yellowish red berries. Gallon cans, 2 to 3 feet, 50c each; \$4.50 per 10.

HARROVIANA. 8 to 10 ft. Tall, graceful branching habit; flowers white and berries which are borne in large masses, are rosy red. Gallon cans, 60c each. Balled, 2 to 3 feet, \$1.25 each.

PARNEYI. 8 ft. The foliage is much larger than other Cotoneasters and the stems are loaded with big clusters of immense, brilliant red berries in the fall and winter. Gallon cans, 60c each. 5-gallon cans, 4 to 5 feet, \$1.50 each.

PROSTRATE VARIETIES

APICULATA (Cranberry Cotoneaster)—A new variety growing close to the ground. The berries are gorgeous, largest of all Cotoneasters, brilliant, glossy red in great profusion. Gallon cans, 75c each.

HORIZONTALIS. 2 ft. A small-growing shrub of low-spreading habit; small round foliage, flowers small white, appearing in May and followed during the fall and winter months by bright red berries. Gallon cans, 1 to 1½ feet spread, 50c each; \$4.50 per 10.

MICROPHYLLA. 3 ft. A small-growing evergreen variety of low-spreading habit; leaves small, glossy and very dark green; flowers small white, followed by large purplish-red berries in the fall and winter. Gallon cans, 1 to 1½ feet spread, 60c each; \$5.50 per 10. Balled, 1½ to 2 feet spread, \$1.25 each.

PRAECOX. 3 ft. A fine variety of recent introduction of semi-prostrate growth. Berries are large bright red and colored by the end of June, months before any other. Gallon cans, 75c each.

CISTUS

(Rock Rose)

LADANIFERUS MACULATUS. 4 ft. A free flowering dwarf shrub with showy flowers similar to a single rose, appearing in early summer. Pure white with brownish crimson spot at base of each petal. Gallon cans, 60c. each.

PURPUREUS. 3 ft. A new and beautiful variety thriving in a sunny position and hardy anywhere in California. Blooms from April to December, producing quantities of crepe-like flowers 3 to 4 inches across, of a delicate rosy purple with a maroon spot at base of petal and a center of yellow stamens. Gallon cans, 75c each.

CONVOLVULUS

CNEORUM—A most attractive shrub with lovely silver-grey foliage and bearing white flowers about 2 inches in diameter, slightly tinged pink on the outside. Habit of growth dwarf and compact. A fine rock garden subject. Gallon cans, 75c each.

COPROSMA

BAUERI—A compact-growing shrub which can also be trained as a low climber. Leaves are rounded and green and very glossy. Gallon cans, 60c each; \$5.50 per 10. Ask for prices on larger sizes.

DAPHNE

CNEORUM. A dwarf shrub of spreading habit producing delicately perfumed rose-pink flowers. Requires a sunny position and well drained soil. Fine for rock planting. Balled, 6 to 8 inches spread, \$1.00 each; 12 to 15 inches spread, \$1.75 each.

ODORA MARGINATA (Pink Daphne). 4 ft. A small shrub producing light pink flowers which are intensely fragrant and massed in dense clusters at the end of the branches during the winter; the leaves are edged creamy white. Balled, 1 to 1½ feet, \$2.50. Balled, 1½ to 2 feet, \$3.00.

DIOSMA

(Breath of Heaven)

ERICOIDES. 4 ft. This handsome little shrub produces small white star-shaped flowers in great profusion. The foliage, when bruised, is very fragrant. Gallon cans, 60c each.

PULCHRUM (Pink Diosma)—A new shrub with light green aromatic foliage. The small, star-shaped flowers are lavender-pink and almost continuously in bloom. Gallon cans, 75c each.

DRACAENA

(Dragon Palm)

AUSTRALIS. 15 ft. A fine plant for outdoor planting in California, and much in use for lawns, avenues and parks. Gallon cans, 2 to 2½ feet, 60c each. 5-gallon cans, 4 feet, \$2.50 each.

ECHIUM

FASTUOSUM (Price of Madeira). 6 ft. An extremely rapid growing bushy shrub with coarse, stout branches. Leaves long, narrow and silky. Flowers clear, brilliant blue, in numerous erect spikes, at times almost covering the plant. Gallon cans, 60c each.

ELEAGNUS

(Oleaster)

PUNGENS VARIEGATA. 5 ft. A fine spreading shrub with large wavy margined foliage, smooth above, silky beneath and strongly margined with creamy white. Gallon cans, 75c each.

MACULATA (Golden Leaf). Similar to above except that leaves are blotched with gold. Both varieties very desirable for planting near the ocean. Gallon cans, 85c each.

ESCALLONIA

GLASNIVENENSIS (Apple Blossom Escallonia)—A beautiful shrub with dark pink flowers and glossy foliage. A very desirable form, blooming several times a year. Gallon cans, 65c each.

INGRAHAMI. 6 ft. A graceful shrub, flowers rose-pink in short racemes; foliage lustrous green. Gallon cans, 1½ to 2 feet, 60c each.

LANGLEYENSIS. 6 ft. Of graceful habit. The light pink flowers are produced in dense clusters. Gallon cans, 60c each. 5-gallon cans, 3 to 4 feet, \$1.75 each.

ROSEA. 10 to 12 ft. Of free flowering habit. Foliage round, rough and serrated; flowers pink. Gallon cans, 50c each. 5-gallon cans, 3 to 4 feet, \$1.75 each.

RUBRA (Macrantha). 5 ft. Of compact growth. Foliage large, dark green, shining above; flowers deep red; free bloomer. Gallon cans, 1 to 1½ feet, 50c each. Balled, 1½ to 2 feet, \$1.50 each. Balled, 2 to 2½ feet, \$1.75 each.

EUGENIA

MYRTIFOLIA. 6 to 10 ft. Excellent shrub of tall, compact growth which can be trimmed to any desired height. Foliage glossy green with a ruddy hue on the new growth; cream-colored flowers followed by edible violet-colored berries. Will not endure severe frosts. Gallon cans, 60c each.

EUCALYPTUS

FICIFOLIA (Scarlet-Flowering Gum). 25 ft. A beautiful sort. Flowers large and normally crimson or scarlet, but vary considerably. Thick leathery leaves; hardy only in warmer sections. Gallons, 3 to 4 feet, 80c each.

POLYANTHEMOS—An ornamental variety of moderate growth with round foliage of an attractive silver-blue color. Resistant to drought. Gallon cans, 3 to 4 feet, 60c each.

SIDEROXYLON ROSEA—An ornamental tree of moderate growth with long, narrow foliage. The deep pink flowers are borne in great profusion in the winter months. Gallon cans, 3 to 4 feet, 65c each.

ERICA

(Heather)

Compact, evergreen shrubs, with feathery foliage producing small-wax-like flowers in great profusion from late in the fall until early spring.

MEDITERRANEAN. 4 ft. A densely-branched globular shrub with dark green foliage, producing purplish pink flowers in winter and early spring. Balled, 1 to 1½ feet, \$1.00 each. Balled, 1½ to 2 feet, \$1.25 each.

MEDITERRANEAN HYBRIDA—Dwarf, compact growth, not over 12 or 15 inches in height. Purplish pink flowers. Balled, 1 to 1½ feet, \$1.25 each.

MELANTHERA. 5 ft. A fine winter bloomer, November till March. Flowers rosy pink with black tipped stamens. Balled, 1 to 1½ feet, \$1.00 each. Balled, 1½ to 2 feet, \$1.25 each. Balled, 2 to 3 feet, \$1.75 each.

MELANTHERA ROSEA. 5 ft. Flowers are a deeper shade of rosy pink than the preceding variety. Balled, 1 to 1½ feet, \$1.25 each. Balled, 1½ to 2 feet, \$1.50 each. Balled, 2 to 2½ feet, \$1.75 each.

MELANTHERA RUBRA. 4 ft. Similar to E. Melanthera except in color which is reddish purple; very fine. Balled, 12 to 15 inches, \$1.00 each. Balled, 18 inches, \$1.25 each. Balled, 1½ to 2 feet, \$1.75 each.



Erica Melanthera



Fremontia Mexicana

EUONYMUS

JAPONICUS AUREO-MARGINATUS (Golden Euonymus). 4 ft. Of dwarf compact growth. Leaves deep yellow toward the edges, blotched in the center with light and dark green. Does not sport back to the green type. Gallon cans, 50c each. Balled, 9 to 12 inches, 75c each. Balled, 12 to 15 inches, \$1.00 each. Balled, 15 to 18 inches, \$1.25 each.

JAPONICUS MICROPHYLLUS (Small Leaved Euonymus). 2 ft. Dwarf and compact with small dark green, serrated foliage. Fine for low hedges and borders. Gallon cans, 50c each.

FREMONTIA

CALIFORNICA. 10 ft. A splendid native flowering shrub with small fig-like, gray-green leaves. Produces deep satiny yellow flowers 2 to 3 inches across. Prefers a dry, sunny location. Gallon cans, 2 to 3 feet, \$1.00 each.

MEXICANA. 10 ft. Orange-yellow streaked with crimson in the bud. Gallon cans, 2 to 3 feet, \$1.00 each.

FUCHSIA

(See page 67)

GREVILLEA

BANKSII. 6 to 8 ft. A handsome large shrub with dense fern-like foliage and large clusters of comb-like crimson flowers. Gallon cans, 2½ to 3 feet, 75c each.

THELEMANNIANA. 5 ft. A lovely dwarf Australian shrub with fine needle-like foliage and distinct bright red flowers; very beautiful when in bloom and requires very little water. Gallon cans, 1 to 1½ feet, 60c each.

HELIOTROPE

A half-hardy plant, growing 4 to 8 feet high; small flowers borne in graceful clusters and very fragrant; forms a large plant and requires a sunny situation; can also be grown against a wall and made to assume the character of a climber. Protect from frost until established.

LIGHT BLUE—4-inch pots. Each, 35c.

BLUE—Medium dark blue. 4-inch pots. Each, 35c.

GENISTA (Broom)

These very ornamental and free-flowering shrubs will succeed in almost any soil or situation. The large Pea-shaped flowers appear profusely in the spring and summer.

ALBA (White Broom). 5 ft. A slender, erect-growing shrub with grooved branches; white Pea-shaped flowers. Gallon cans, 2 feet, 60c each.

HISPANICA (Spanish Broom). 10 ft. An upright-growing shrub. Flowers yellow, produced very freely in the spring and summer, on long, pendulous round leafless branches. Gallon cans, 3 feet, 50c each; \$4.50 per 10.

MONOSPERMA (Bridal Veil Broom). 10 ft. A graceful shrub with silvery branches and sparse foliage; growth very drooping. White flowers borne in long drooping racemes. Gallon cans, 75c each.

RACEMOSA (Sweet Broom). 6 ft. A very graceful variety of Broom producing its bright, golden yellow Pea-shaped flowers in the greatest profusion for a long period. Especially desirable for window boxes. Gallon cans, 60c each.

SCOPARIUS (Scotch Broom). 10 ft. A very handsome shrub, with drooping branches covered in the spring with bright yellow Pea-shaped flowers; very effective for grouping. Gallon cans, 2 to 3 feet, 50c each; \$4.50 per 10.

SCOPARIUS ANDREANA. 10 ft. A beautiful variety of Scotch Broom. The flowers are golden yellow with deep mahogany-red wings. Gallon cans, 2 feet, 85c each.

SCOPARIUS ANDREANA PROSTRATA — Of semi-prostrate habit and fine for covering banks. Flowers are larger than the preceding variety but of the same color. Gallon cans, 2 feet spread, 60c each.

NEW MITCHELL BROOMS

In New Color Combinations

CALIFORNIA. 4 ft. Standards rosy-white, rose on reverse, wings glowing rose, keel yellow. Medium height, spreading. 4-inch pots, \$1.00 each.

SAN FRANCISCO. Standards rose red, reverse darker, wings deepen to rich velvety red. Medium growth, long flowering season. 4-inch pots, \$1.00 each.

STANFORD. A very beautiful plant of moderate growth bearing a great profusion of showy red flowers. 4-inch pots, \$1.00 each.

ST. MARY'S. Flowers are large, pure white. Dwarf bushy habit of growth. 4-inch pots, \$1.00 each.

LORD LAMBOURNE. 4 ft. Magnificent large flowers of scarlet, primrose and rose-pink. 4-inch pots, \$1.00 each.

HOLLY

TRUE ENGLISH. 20 ft. A small tree with glossy, dark green thorny leaves. It is covered with bright red berries during the winter months. Grafted stock. Balled, 1½ to 2 feet, with berries, \$3.00 each. Balled, 2 to 3 feet, with berries, \$4.00 each. Balled, 3½ to 4 feet, with berries, \$6.00 each.

SILVER VARIEGATED. 15 ft. Similar to English Holly except that the foliage is beautifully marbled with creamy white. Balled, 2 feet, with berries, \$3.00 each. Balled, 2 to 3 feet, with berries, \$4.00 each. Balled, 3½ feet, with berries, \$6.00 each.

HYPERICUM

CALYCINUM. About 1 ft. A low growing shrub which is useful for ground cover. Flowers similar to H. Moserianum. 3-inch pots, 30c each, \$3.00 per doz.

MOSERIANUM. 3 ft. A pretty low shrub with light green foliage spreading 2 to 3 feet across with large golden yellow flowers which have numerous long stamens tipped with reddish anthers. In bloom all summer and thrives in sun or part shade. Gallon cans, 1 to 1½ feet, 50c each; \$4.50 per 10.

KALMIA

(Mountain Laurel)

LATIFOLIA. 4 ft. A very decorative shrub requiring the same conditions as the Rhododendron. The beautiful pink and white flowers are of unique shape, borne in large clusters over broad, glossy foliage. Blooms in June. 15 inches, \$2.00 each.

LAUREL

(Prunus)

ENGLISH. 5 to 8 ft. A fine evergreen, with broad, shining leaves, producing large panicles of creamy white flowers followed by purple berries. Gallon cans, 60c each. Balled, 1½ to 2 feet, \$1.50 each. 2½ to 3 feet, \$2.00 each.

California customers please include Sales Tax



Fuchsia

FUCHSIA

These plants require a good rich soil and partial shade. They can be grown as a bush or trained along a fence or side of a house; very profuse bloomers.

4-inch pots, 40c each, 3 for \$1.10, except where priced otherwise. (Protect from frost until established.)

AURORA BOREALIS—Bright orange-red corolla with narrow, pointed, soft pink sepals tipped green.

BLUE GOWN—Deep blue corolla, light carmine tube and sepals. 4-inch pots, 50c each, 3 for \$1.40.

BRUTUS—Rich dark purple corolla with carmine base and rich scarlet sepals. Bushy.

DAINTY LADY—Corolla semi-double, white veined carmine at base, tube and sepals deep red. Bushy.

FASCINATION—Sepals carmine, corolla light pink flushed rose, double.

PHENOMENAL—Sepals scarlet-carmine, corolla 2½ inches in diameter, rich dark blue, double.

PRINCE CHARMING—Sepals scarlet-carmine, corolla rose-red, single, of dwarf habit, suitable for window boxes.

ROLLA—Sepals white suffused pale pink, corolla white, double. A very distinct variety. 4-inch pots, 50c each, 3 for \$1.40.

STORM KING—Sepals dark carmine, corolla white, shaded rose, double.

TORPILLEUR—Sepals intense red, corolla flesh, shaded rose, double.

GRACILIS (Baby Fuchsia)—Very graceful small leaves and tiny red flowers.

TRIPHYLLA HYBRIDS

GARTENMEISTER BONSTEDT—Flowers glowing brick red, shaded orange. Dark bronze foliage. 4-inch pots, 50c each, 3 for \$1.40.

THALIA—Bronze green foliage, long orange-scarlet sepals and short orange-red corolla. Tall. 4-inch pots, 50c each, 3 for \$1.40.

LAVANDULA

(Sweet Lavender)

DENTATA (French Lavender) — Foliage soft gray, pinnately toothed; flowers deep purple. Gallon cans, 60c each.

VERA. 3 ft. An old-fashioned favorite with soft gray foliage and fragrant lavender flowers on long stems. Gallon cans, 50c each.

LAURESTINUS

(Viburnum)

TINUS. 6 ft. Shrub with wavy margined, pointed leaves. Flowers in broad heads, pinkish in bud, white when fully opened. Plant is covered with flowers during winter and spring. Makes a good hedge. Gallon cans, 15 to 18 inches, 50c each; \$4.50 per 10. Balled, 1½ to 2 feet, \$1.50 each. Balled, 2 to 2½ feet, \$1.75 each.

LEONOTIS

(Lion's Tail)

LEONURUS. 6 ft. A medium-sized shrub with orange-colored flowers which are hairy with a plush-like surface 2 inches long and are borne in whorls around the branches during summer and fall. The plants are much improved by cutting back every year or so. Gallon cans, 1½ feet, 50c each.

LEPTOSPERMUM

(Tea Shrub)

LAEVIGATUM. 6 to 10 ft. A tall evergreen drooping shrub with grayish-green foliage producing great numbers of small white flowers. It withstands drought and is especially adapted for windy places. 4-inch pots, 1½ feet, 35c each; \$3.00 per 10. Gallon cans, 2 to 3 feet, 50c each; \$4.50 per 10.

LEUCOTHOE

CATESBAEI. 6 ft. Slender, spreading, arching branches. A very handsome shrub with its large lustrous dark green leaves and attractive white flower racemes. Balled, 12 to 15 inches, \$1.75 each. Balled, 15 to 18 inches, \$2.25 each.

MAGNOLIA

GRANDIFLORA. 30 ft. A grand tree, with large, broad, thick leaves which are a brilliant green on the upper surface and rusty underneath; the flowers are pure waxy white, of immense size and very fragrant. Gallon cans, 4 feet, 75c each. Balled, 3 to 4 feet, \$2.50 each. Balled, 4 to 5 feet, \$3.00 each.

MELALEUCA

NESOPHILA. 6 ft. A fast growing shrub of erect habit with medium-sized lance-shaped leaves. The lavender bottlebrush-like flowers are borne at the end of the branches. Thrives equally well in dry or wet soil. Gallon cans, 50c each.

MYRTLE

(Myrtus)

COMMUNIS. 6 ft. An evergreen shrub with aromatic foliage, producing small fragrant white flowers throughout the summer. Gallon cans, 50c each. Balled, 1 to 1½ feet, \$1.25 each. Balled, 1½ to 2 feet, \$1.50 each.

COMMUNIS MICROPHYLLA. 4 ft. Foliage exceptionally small and closely set; of spreading habit. Gallon cans, 50c each.

NANDINA

DOMESTICA. 6 ft. A very handsome shrub of moderate size and rather slow growth. The leaves are much divided, with rather large leaflets, light green in summer, turning to a vivid red during the fall and winter. The white flowers are small in good-sized, erect panicles followed by bright crimson berries. Gallon cans, 60c each. Balled, 2 to 3 feet, \$1.50 each. Balled, 3 feet, \$1.75 each.

NEW ZEALAND FLAX

(Phormium Tenax)

VARIEGATUM. 4 to 6 ft. Has large sword-like leaves which are conspicuously striped lengthwise with creamy white. It is highly decorative as a porch plant or as a specimen on the lawn. Light clumps, 2 feet, 75c each. 2 to 3 feet, \$1.00 each. Medium clumps, 3 feet, \$1.50 each. Heavy clumps, 3 feet, \$2.00 each.

OLEANDER

(Nerium)

Best suited for the warmer sections, where, if given plenty of water, it thrives to perfection. The flowers are produced very freely for a long period. One of the showiest of everblooming evergreens. All parts of the plant are poisonous if eaten.

SINGLE CHERRY RED—Gallon cans, 15 to 18 inches, 60c each.

DOUBLE PINK—Gallon cans, 15 to 18 inches, 60c each.

DOUBLE SALMON PINK—Gallon cans, 15 to 18 inches, 60c each.

SEMI-DOUBLE WHITE—Gallon cans, 15 to 18 inches, 60c each.

OSMANTHUS

FRAGRANS (Sweet Olive). 5 ft. Large, handsome dark green foliage and small, white, extremely fragrant flowers in clusters. Gallon cans, 75c each.

PAMPAS GRASS

(Cortaderia)

ARGENTEA. 10 ft. The most widely cultivated variety with large white feathery plumes. Gallon cans, 60c each.

MAD. RENDLATERI. 10 ft. Plumes very light lavender, almost pink. Gallon cans, 65c each.

PEPPER TREE

(Schinus Molle)

A popular shade and ornamental tree, with fine, feathery foliage, producing clusters of reddish berries in the fall; fine for street planting. 50 feet. Gallon cans, 3 to 4 feet, 75c each.

PHOTINIA

ARBUTIFOLIA (Christmas or Toyon Berry). 10 ft. A native evergreen shrub loaded with brilliant red berries in the winter. Gallon cans, 1 to 1½ feet, 65c each.

SERRULATA NOVA. 10 ft. A handsome evergreen tree or shrub, the foliage of which becomes very conspicuous in the autumn, when it assumes a reddish hue; flowers white, in large corymbs, produced in early spring. Gallon cans, 75c each.

PITTOSPORUM

Very ornamental bright foliage plants; valuable for grouping, hedges or lawn specimens.

NIGRICANS, 8 to 10 ft. A very handsome upright growing shrub with silvery light green leaves and black stems; a good hedge plant and very ornamental as an individual. Gallon cans, 50c each; \$4.50 per 10. Balled, 1½ to 2 feet, \$1.00 each. Balled, 2 to 3 feet, \$1.50 each. Balled, 3 to 4 feet, \$2.00 each. Balled, 4 to 5 feet, \$2.75 each. Balled, 5 to 6 feet, \$3.25 each.

TOBIRA (Japanese Pittosporum). 5 ft. One of the finest of the medium sized evergreen shrubs. It is a wide, spreading, dense, round headed shrub with deep, glossy, green foliage. Flowers in terminal clusters, pure white and fragrant. Gallon cans, 60c each. Balled, 1 to 1½ feet, \$1.25 each. Balled, 1½ to 2 feet, \$1.75 each. Balled, 2 to 3 feet, \$2.25 each.

UNDULATUM. 10 ft. A shrub or tree with deep green, glossy, wavy margined leaves. Flowers yellowish-white, intensely fragrant, particularly at night. Gallon cans, 60c each.

PLEROMA

MACRANTHUM. 10 ft. (Tibouchina). A rare shrub with handsome flowers which are reddish purple to violet, often 5 inches across. The leaves are ovate and downy. Free bloomer and half hardy. Gallon cans, 2 to 3 feet, 85c each. (Protect from frost until established.)



Pleroma Macranthum

PIMELEA

DECUSSATA. 3 ft. A much branched little shrub with small leaves, closely surrounding the branches. Flowers beautiful rosy pink, crowded in heads at the end of the shoots. Gallon cans, 75c each.

POLYGALA

DALMAISIANA. 4 ft. A profuse flowering shrub with purple pea-shaped flowers and pretty, light green foliage. Gallon cans, 60c each.

PRIVET

(Ligustrum)

OVALIFOLIUM (California Privet). 3 to 8 ft. A valuable evergreen hedge plant. A strong growing shrub with bright medium sized leaves. Can be kept trimmed at any height. Bare roots, 1½ to 2 feet, extra well branched, 10c each; 85c per 10; \$6.00 per 100. Bare roots, 2 to 3 feet, extra well branched, 15c each; \$1.00 per 10; \$7.50 per 100.

OVALIFOLIUM AUREA MARGINATA (Golden Privet). 3 to 8 ft. Golden-margined variety. Very attractive for giving color to shrubby groups. Gallon cans, 1½ to 2 feet, 50c each; \$4.50 per 10. Balled, 2 to 3 feet, \$1.50 each.

PYRACANTHA

(Burning Bush)

CRENULATA (Chinese Evergreen Hawthorn). 8 ft. Of compact habit, branches slender, leaves long, narrow and glossy. New growth very ruddy. Will endure considerable shade. Produces masses of bright scarlet berries from August to December. Gallon cans, 50c each.

LALANDI. 8 ft. A thick, thorny evergreen shrub. Leaves are small and glossy green. Flowers are white and are produced in clusters in May, followed during the fall and winter months with a profusion of orange berries. Gallon cans, 60c each.

ROGERSIANA AURANTIACA (Roger's Orange Firethorn). 8 ft. This variety blooms so profusely as to be valuable as a flowering plant. The berries, equally profuse, are glossy orange and produced along the long, slender shoots clear to the tips. Gallon cans, 2 to 3 feet, 75c each.

SPLENDENS. 8 ft. A recent selection bearing huge clusters of very large, brilliant red berries. An unusual variety in this group. Gallon cans, 75c each.

YUNNANENSIS. 10 ft. A vigorous grower of spreading habit with bright coral-red berries. Gallon cans, 50c each; \$4.50 per 10.

RHODODENDRON

Rhododendrons should have partial shade and an acid soil and for best results should receive liberal applications of peat or leaf mold. Mulch the top soil to conserve moisture and do not cultivate close to the plants as roots are very near surface.

CYNTHIA—Rosy crimson of large size. Balled, with flowering buds, 1 to 1½ feet wide, \$4.75 each.

DUKE OF YORK—Rosy-pink with brown blotch, slightly fragrant. Balled, with flowering buds, 1 to 1½ feet wide, \$4.00 each.

EDWARD S. RAND—Beautiful rich scarlet. Balled, with flowering buds, 1 to 1½ feet wide, \$4.00 each.

F. D. GODMAN—Bright red shading to pink center. Balled, with flowering buds, 1 to 1½ feet wide, \$4.00 each.

H. H. HUNNEWELL—Lovely, rich, dark crimson. Balled, with flowering buds, 1 to 1½ feet wide, \$4.00 each.

LORD ROBERTS—Dark red with black blotches, new and very fine. Balled, with flowering buds, 1½ to 2 feet wide, \$4.50 each.

MICHAEL WATERER—Scarlet-crimson. Balled, with flowering buds, 1 to 1½ feet wide, \$3.75 each.

MRS. R. S. HOLFORD—Medium pink, large truss. Balled, with flowering buds, 1 to 1½ feet wide, \$4.50 each.

HIMALAYAN—A very sweet scented shrub with large, pure white flowers. Habit of growth tall and somewhat straggly. Balled, 2 feet, \$2.50 each. Balled, 2½ to 3 feet, \$3.00 each.

LADY ALICE FITZWILLIAM—A Himalayan hybrid with large, pure white flowers which are not fragrant. More compact in growth than the preceding variety. Balled, 15 to 18 inches, \$2.00. Balled, 1½ to 2 feet, \$2.50 each.

ROMNEYA

(Cal. Tree Poppy)

COULTERI. 5 to 6 ft. Also known as Matilija Poppy. A beautiful native shrub. The flowers are pure white with yellow stamens, 5 to 6 inches across, generally 10 to 15 flowers on a shoot. Gallon cans, 85c each.

VERONICA

PIMELIOIDES. 2 ft. A dwarf variety with small, bright-green leaves; quite dense and compact. Useful for growing in tubs and window boxes. Gallon cans, 60c each.

Deciduous Trees and Flowering Shrubs

Transportation charges on Deciduous Trees and Flowering Shrubs are to be paid by customer. Please give name of express and freight offices when they differ from postoffice.

DWARF FLOWERING ALMOND

A beautiful flowering shrub growing 6 feet high, with slender branches bearing very double flowers in utmost profusion, very early in the spring.

DOUBLE PINK—Bare roots, 3 to 4 feet, \$1.00 each.

DOUBLE WHITE—Bare roots, 3 to 4 feet, \$1.00 each.

AZALEA

ALTA CLARENSE. 4 ft. A showy shrub of medium size, preferring a partially shaded location. Flowers are bright orange-yellow and the foliage is large and brilliantly colored in the fall. Balled, 15 inches, \$1.50 each.

MOLLIS. 4 ft. In early spring just before the leaves unfold, the flowers appear in great profusion in shades of orange, apricot or yellow. Mixed colors only. Balled, 12 to 15 inches, \$1.25 each.

BERBERIS

(Barberry)

THUNBERGII ATROPURPUREA (Red Leaved Japanese Barberry). 5 ft. A new low growing variety which is semi-deciduous. Foliage at all times is purplish-red in color. Bears brilliant scarlet berries during the winter months. Bare roots, 2 feet, 85c each.

For other varieties of Berberis see page 63.

BIRCH

EUROPEAN, 30 ft. Very graceful tree, with silvery bark and slender branches; fine for avenue planting. Bare roots 6 to 8 feet, \$1.25 each.

CUT-LEAF WEEPING. 20 ft. Very attractive, with tall, slender, graceful, drooping branches, delicately cut foliage and silvery bark; very handsome as a single specimen on a lawn or when planted in groups of three. Bare roots, 8 feet, \$2.00 each.

FLOWERING CHERRY

A small growing tree producing semi-double flowers in large clusters in early spring.

KWANZAN. 15 ft. Double, deep pink, very large. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

KOFUGEN. 15 ft. Double dark pink; later than Kwanzan. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

MOUNT FUJI. 15 ft. Double white. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

NADEN. 15 ft. Double, tender pink. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

SINGLE JAPANESE WEEPING—The branches are very slender and gracefully drooping. The single flowers are rose-pink, borne all along the branches early in spring before the leaves appear. Bare roots, 5 to 6 foot stems, \$2.75 each. Packed for shipment, \$3.25.

DOUBLE JAPANESE WEEPING—Double pink. Bare roots, 5 to 6 foot stems, \$2.75 each. Packed for shipment, \$3.25.

FLOWERING CRAB APPLE

(Pyrus)

BETCHELL'S. 8 to 12 ft. A low-growing tree, well adapted for the lawn or for planting with low-growing shrubs; covered in early spring with large, beautiful double, fragrant flowers of a delicate pink color. Bare roots, 5 feet, \$1.25 each.

FLORIBUNDA (Japanese Crab)—Flowers single, carmine in bud, pale flesh when open. Vigorous grower and free bloomer, 5 to 6 feet, \$1.25 each.

NIEDZWETZKYANA (Redvein Crab)—A Siberian species remarkable for the red color of flowers, branches, leaves and fruit. A free and early bloomer. Bare roots, 5 to 6 feet, \$1.25 each.

CORCHORUS or KERRIA

JAPONICA—A graceful shrub growing 6 feet high; producing double yellow flowers an inch across, which appear in April. Bare roots, 1½ to 2 feet, well branched, 75c each.



Flowering Cherry

CORNUS

(Dogwood)

FLORIDA (Flowering Dogwood). 10 ft. A large shrub or small tree growing 10 to 15 feet high with handsome foliage and great numbers of large, showy, single white flowers. Thrives in sun or partial shade. Bare roots, 3 to 4 feet, \$1.25 each.

FLORIDA RUBRA. 10 ft. The pink large-flowered Dogwood. A rare and beautiful variety. Bare roots, 4 to 5 feet, \$3.50 each.

CRANBERRY BUSH

(Viburnum Opulus)

This shrub grows about 8 feet tall and belongs to the same family as the Snowball. Blooms in late spring, followed by bright scarlet berries at the end of July, which remain on the branches until the following spring. The berries are not eaten by birds. Foliage colors highly in the fall. Bare roots, 3 to 4 feet, 85c each.

CRAPE MYRTLE

(Lagerstroemia)

A very strong-growing shrub, 10 to 15 feet high. The leaves are bright green. The flowers with their pretty crimped petals are produced in very large panicles at the ends of the branches during the entire summer.

PINK—Pastel pink. Gallon cans, 2 feet, 75c each.

RED—Rich watermelon-red. Gallon cans, 2 feet, 75c each.

CRATAEGUS—See under Hawthorn.

CURRENT, FLOWERING

A large native shrub of upright habit, growing about 6 feet high with many red-barked twigs. Blossoms deep pink in long drooping racemes in early spring, followed by large glaucous-blue berries. Gallon cans, 65c each.

DEUTZIA

Graceful shrubs, with slender branches of effective foliage, blooming in great profusion. The flowers are produced in long racemes, requiring severe pruning immediately after flowering.

CRENATA ROSEA PLENA—A very desirable shrub growing 6 feet high. Flowers double white tinged rose outside. Bare roots, 3 feet, **75c each.**

LEMOINE—A vigorous growing variety, attaining a height of 6 feet. Flowers single pure white; very free flowering. Bare roots, 2 to 3 feet, **60c each.**

ERYTHRINA

(Coral Tree)

CRISTA-GALLI. 10 ft. Partly shrubby, flowering shoots dying back to the hard wood. The brilliant crimson flowers are very large individually and borne in elongated panicles from 1 to 2 feet long during the summer. Gallon cans, **75c each.**

EXOCHORDA GRANDIFLORA

(Pearl Bush)

Large shrub blooming early in the spring when the entire plant is covered with purest white blossoms; 8 ft. The finest white flowering shrub of early spring. Bare roots, 2 to 3 feet, **75c each.**

FORSYTHIA

(Golden Bell)

SUSPENSA—A Japanese shrub growing approximately 8 ft., with slender, drooping branches. The golden yellow flowers appear in small clusters along the branches in early spring. Bare roots, 3 to 4 feet, **75c each.**

INTERMEDIA SPECTABILIS. 8 ft. One of the best varieties. Rich golden yellow flowers. Bare roots, 3 to 4 feet, **85c each.**

HALESIA

(Snowdrop Tree)

TETRAPTERA. 10 ft. One of the most desirable tall shrubs with pretty bell-shaped Snowdrop-like white flowers in May. Bare roots, 3 to 4 feet, **\$1.00 each.**

HAWTHORN

(Crataegus)

These small trees are well adapted for lawns and for grouping. The small flowers come in clusters and are followed by red berries in the autumn; a good spreading tree with lustrous green leaves.

DOUBLE SCARLET. 15 to 25 ft. Bare roots, 6 to 8 feet, **\$1.50 each.**

DOUBLE PINK. Bare roots, 6 to 8 feet, **\$1.50 each.**

CORDATA (Washington Thorn)—One of our handsomest small trees. Leaves are triangular, lobed and deep glossy green until late fall, when they assume beautiful red and yellow tints. Flowers are white, followed by large clusters of small, glossy red berries in the late fall. Bare roots, 5 to 6 feet, **\$1.50 each.**

HORSE CHESTNUT

RED FLOWERING—A rare and beautiful tree of slow growth with large dark green, palmate leaves, bearing erect showy narrow panicles of handsome flowers varying from flesh-color to red, 20 ft. Bare roots, 6 to 7 feet, **\$4.00 each.**

HYDRANGEA

HORTENSIS OTAKSA. 6 ft. Very ornamental, large-leaved shrubs, with enormous corymbs of beautiful pink flowers. They succeed best in a partially shaded location; very fine for a lawn or for planting in groups. Gallon cans, **50c each.** Balled, 1½ to 2 feet, **85c each.** Balled, 2 to 3 feet, **\$1.00 each.**

KERRIA JAPONICA—See under Corchorus.

KOLKWITZIA

(Beauty Bush)

AMABILIS—An exceedingly handsome, new ornamental shrub resembling the Weigelia. It attains a height of 6 feet at maturity and has long arching branches covered with pale pink bell-shaped flowers in June. Bare roots, 2 to 3 feet, **75c each.**

LABURNUM VULGARE

(Golden Chain)

A small-growing tree, approximately 15 ft., with long, drooping racemes of fragrant yellow flowers, 6 to 8 feet, **\$1.75 each.**

LEMON VERBENA

This well known shrub has long, narrow, pointed leaves, which are very fragrant when bruised. Grows 8 to 12 feet high. Bare roots, 2 feet, **60c each.** Bare roots, 2½ to 3 feet, **75c each.**

LILACS

(Syringa)

Beautiful spring flowering shrubs averaging 10 feet in height. Flowers come in large drooping clusters and are very fragrant. Immediately after blooming they should be pruned, as the flowers are always on the old wood. Grafted varieties will usually bloom the first year.

DIDEROT—Claret-purple. A very profuse bloomer of compact habit, bearing long, slender clusters of single flowers. 2½ to 3 feet, grafted, **\$1.25 each.**

EDMOND BOISSIER—Bluish-purple. Medium sized clusters of large flowers. Blooms freely. Single. Grafted, 3 to 4 feet, **\$1.25 each.**

PRESIDENT FALLIERES—Soft rosy-lilac. Huge, broad clusters of double flowers, often a foot in length. Grafted, 3 to 4 feet, **\$1.50 each.**

VAUBAN—Light mauve-pink, large clusters, free blooming and very fragrant. Single. 3 to 4 feet, grafted, **\$1.35 each.**

MAGNOLIA

SOULANGEANA (Saucer Magnolia). 15 ft. Large white flowers unfolding before foliage appears. Outside of petals purplish pink and lavender; fragrant. The earliest blooming variety. Balled, 2 to 2½ feet, **\$3.50 each.**

SOULANGEANA NIGRA (Purple Lily Magnolia). 15 ft. A late blooming variety with dark purple blooms. Sometimes known as Tree Tulip. Balled, 2 to 2½ feet, **\$4.00 each.**

MOUNTAIN ASH

(Rowan Tree)

EUROPEAN—Flowers creamy white, foliage somewhat like the Pepper Tree, 25 ft.; covered from August to November with large clusters of red berries. Bare roots, 8 to 10 feet, branched, **\$1.50 each.**



Magnolia Soulangeana

PEACH, FLOWERING

An attractive spring flowering tree, 15 to 20 ft., blooming in April. The branches are covered with a mass of beautiful flowers long before leaves appear.

DOUBLE RED—Bare roots, 5 to 6 feet, \$1.00 each.

DOUBLE WHITE—Bare roots, 5 to 6 feet, \$1.00 each.

DOUBLE PINK—Bare roots, 5 to 6 feet, \$1.00 each.

PHILADELPHUS

(Mock Orange)

CORONARIUS. 8 ft. Rather tall growing shrub with white flowers of medium size and very fragrant. Bare roots, 2 to 3 feet, 75c each.

VIRGINAL. 6 ft. A fine variety with large flowers with round petals of the purest white. Usually semi-double. The blooms are in clusters of 5 to 7 and are sweetly scented. Bare roots, 2 to 3 feet, 75c each.

PLUM

(Prunus)

MOSERI. 10 ft. A handsome ornamental Plum with purple tinted foliage and semi-double flowers of apple-blossom pink in the spring. Bare roots, 5 to 6 feet, \$1.00 each.

PISSARDI (Purple Leaved Plum). 15 ft. The young branches are very dark purple; the leaves when young are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop late in autumn. Very effective when grouped with other trees and shrubs. Bare roots, 5 to 6 feet, well branched, \$1.00 each.

TRILOBA. 10 ft. A bushy plant with three lobed green leaves; flowers double rosy pink and very numerous, appearing before the leaves and followed by small red fruit. Bare roots, 4 to 5 feet, \$1.00 each.

POMEGRANATE, FLOWERING

DOUBLE RED. 8 ft. A rapid growing shrub with double, deep scarlet flowers. In bloom throughout the summer. Bare roots, 3 to 4 feet, 75c each.

POPLAR

LOMBARDY—A very erect, rapid growing tree with a tall spiry form and particularly striking and picturesque when grouped among other trees. Bare roots, 8 to 10 feet, \$1.00 each; \$9.00 per 10.

QUINCE

(Japanese Flowering)

A much branched shrub producing bright colored flowers along the stems before the leaves appear. Very striking; well adapted for single plants on the lawn or for borders of groups of trees.

SCARLET. 6 to 8 ft. Bare roots, grown from cuttings, 2 to 3 feet, 85c each.

BLOOD RED. 6 to 8 ft. Bare roots, grown from cuttings, 2 to 3 feet, \$1.00 each.

APPLE BLOSSOM. 6 to 8 ft. Pink and white. Bare roots, grown from cuttings, 1½ to 2 feet, \$1.00 each.

CORALLINA. 6 to 8 ft. Salmon-apricot. Bare roots, grown from cuttings, 1½ to 2 feet, \$1.00 each.

ROBINIA

(Locust)

HISPIDA MACROPHYLLA (Rose Acacia)—One of the most striking of the spring blooming trees with large rose-colored, Pea-shaped flowers. Bare roots, standards 7-foot stems with good heads, \$3.00 each. Packed for shipment, \$3.50.

SNOWBALL

(Viburnum)

COMMON. 8 ft. A favorite shrub producing immense white ball-shaped flowers in great profusion in May and June. Bare roots, 3 to 4 feet, 75c each.

PLICATUM (Japanese Snowball)—One of the choicest deciduous shrubs. Has dark green plicated foliage and perfect balls of pure white flowers which are borne in great profusion in May and June. Bare roots, 3 to 4 feet, 75c each.

SORBARIA

SORBIFOLIA. 8 ft. Also known as Siberian Spirea. Graceful panicles 10 to 12 inches long, of pure white flowers. A very desirable shrub. Bare roots, 2 to 3 feet, 75c.



Spiraea Van Houttei

SPIRAEA

ANTHONY WATERER. 4 ft. A valuable and distinct variety; color bright crimson; it is of dwarf, dense growth; in bloom the entire summer and fall. Bare roots, 2 to 3 feet, bushy, 75c each.

VAN HOUTTEI (Van Houttei's Bridal Wreath). 6 ft. A beautiful compact variety for planting on a lawn or in groups; early flowering and of very graceful habit; clusters of 20 to 30 white florets make up the raceme and are set close along the drooping branches. Bare roots, 2 to 3 feet, 75c each. 3 to 4 feet, 90c each.

PRUNIFOLIA (Double Bridal Wreath). 6 ft. This variety produces pure double white flowers along the entire length of the branches. Bare roots, 2 to 3 feet, bushy, 75c each.

SYCAMORE, EUROPEAN

Also known as the Oriental Plane. A handsome, spreading tree with dense, bright green Maple-like foliage. One of the best street trees. Bare roots, 10 feet, \$1.50 each.

TAMARIX

AFRICANA. 15 ft. A strong, slender, tall-growing, irregular shrub, with feathery foliage and small, delicate flowers, borne profusely on gracefully bending branches. These pink flowers are very attractive during May. Bare roots, 3 to 4 feet, 90c each.

PENTANDRA (Aestivalis). 15 ft. A distinct variety, with delicate, soft pink sprays of flowers in July and August. Bare roots, 3 to 4 feet, 90c each.

VIBURNUM CARLESI

A rare shrub from Korea of dwarf, compact habit attaining a height of 4 feet. It bears large corymbs of delicate pale rose blossoms tinted white which have a delicious clove-scented fragrance. Balled, 1½ feet, \$1.35 each. Balled, 2 feet, \$1.60 each.

WEIGELIA

(Diervilla)

Ornamental free-flowering shrubs, producing trumpet-shaped flowers of many shades of color during June and July; valuable for planting with other shrubs or as single specimens on a lawn; should be well pruned after flowering in the summer.

EVA RATHKE. 5 ft. A remarkably free bloomer, flowering continuously throughout the summer and fall; rich ruby-carmine colored flowers. Bare roots, 2 to 3 feet, 85c each.

ROSEA. 6 ft. An elegant shrub, producing trumpet-shaped flowers of a fine rose color. Bare roots, 2 to 3 feet, 75c each.

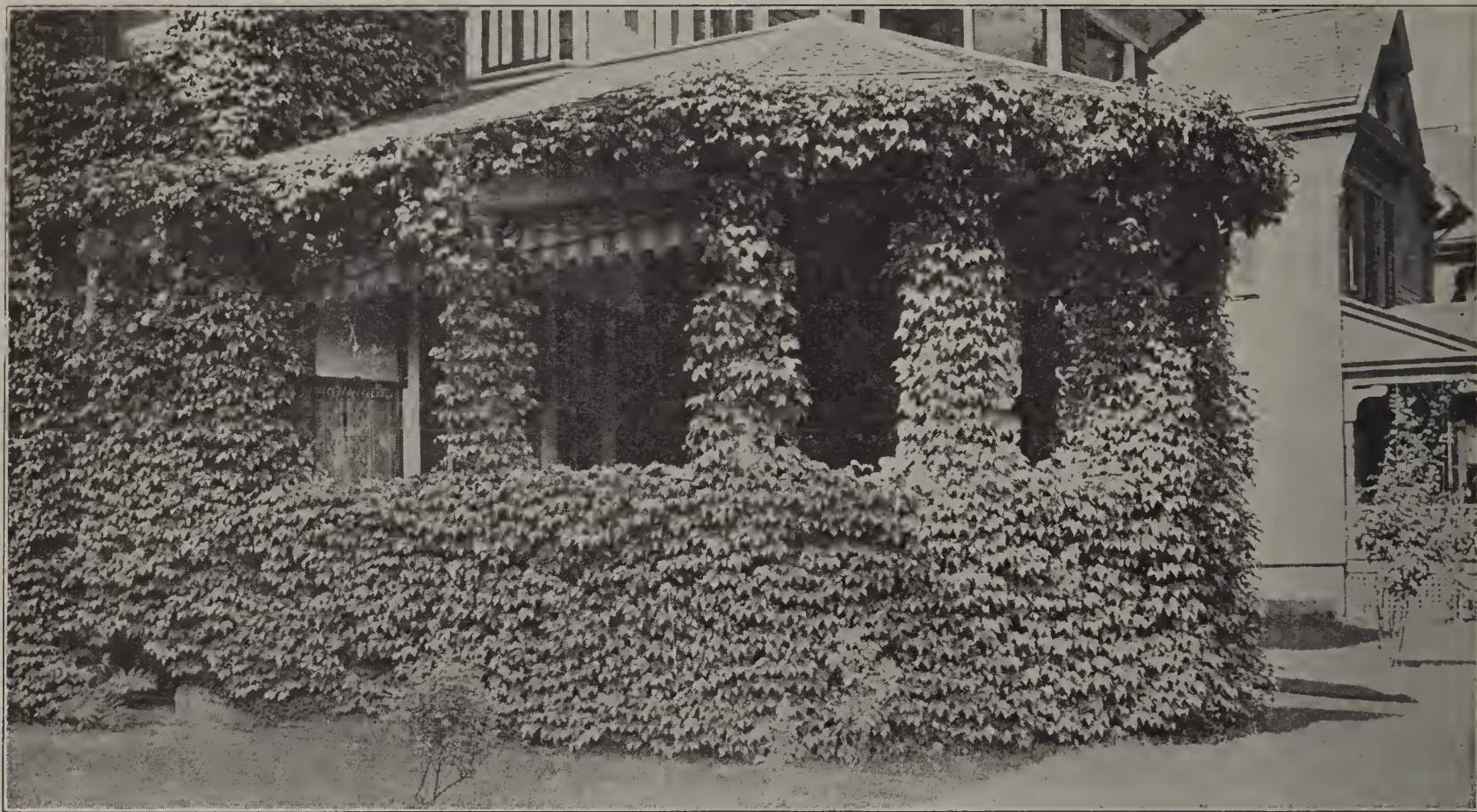
WILLOW

(Salix)

BABYLONICA (Weeping Willow)—A rapid growing tree with drooping branches, thrives best in a wet place. 5 to 6 feet, \$1.00 each.

Climbing and Trailing Plants

(F. O. B. San Francisco)



Ampelopsis Veitchii or Boston Ivy

AMPELOPSIS

VEITCHII (Boston Ivy)—One of the most ornamental of climbing foliage plants, clinging closely without any assistance to a stone wall or wooden surface. In autumn the leaves assume a reddish-copper tint and are very effective. 2-year bare roots, 40c each; \$3.50 per 10. Gallon cans, 60c each.

QUINQUEFOLIA (Virginia Creeper)—Foliage much larger than the preceding, with a more vigorous habit of growth, the leaves assuming a bronzy hue in the fall, but not of clinging habit. Extra strong roots, 60c each; \$5.50 per 10.

BIGNONIA (Trumpet Vine)

Beautiful climbers with large, showy, trumpet-shaped flowers in various colors, valuable for covering walls or climbing trees; they require a warm, sunny position and should be well protected.

CHERERE—An evergreen variety, with long, trumpet-shaped flowers 3 inches in diameter; in color a rich shade of blood red. Gallon cans, 75c each.

TWEEDIANA—Flowers lemon-yellow and usually broader than long. Evergreen with tendrils that adhere to stone. Gallon cans, 75c each.

VIOLACEA—Foliage quite glossy, evergreen. Flowers lilac on the lobes, yellow inside tube; free bloomer. Gallon cans, 75c each.

BOUGAINVILLEA

(Protect from frost until established)

BRAZILIENSIS—A beautiful climber, having peculiarly shaped flowers somewhat resembling the leaves in shape and produced along the end of the branches in great profusion; color, rosy-purple. They do well in a sheltered sunny location. Gallon cans, 75c each and \$1.00 each.

CRIMSON LAKE—Just as vigorous in growth as the above, but more tender. Flowers are brilliant rose-red. Gallon cans, \$1.00 each.

CLEMATIS

Hardy, vigorous growing deciduous climbers with fine foliage and beautiful flowers of various colors. They do best in a light loamy soil, which should be well drained and which should receive annual applications in winter of well-decayed manure; they should never be allowed to get very dry. Clematis should be planted 4 to 6 inches deeper than they stood in the pot.

HENRYII—Extremely large, pure white. 2-year old, \$1.00 each.

JACKMANNI—Large violet-purple, very free flowering. 2-year old, \$1.00 each.

MME. BARON VEILLARD—Large satiny lavender-pink. 2-year old, \$1.00 each.

MME. EDOUARD ANDRE—Large, varying from mauve to carmine, free-flowering, 2-year old, \$1.00 each.

PANICULATA—Fragrant small white flowers in clusters which appear in the greatest profusion in late summer; should be well pruned in winter. Gallon cans, \$1.00 each.

RAMONA—Enormous flowers of deep sky-blue. 2-year old, \$1.00 each.

CLIANTHUS PUNICEUS

(Protect from frost until established)

Excellent for training against a wall, bearing great masses of drooping brilliant scarlet blossoms, which resemble a parrot's bill. Gallon cans, 85c each.

FICUS REPENS

A handsome little evergreen climber with small dark green leaves, which clings to stone or wood. 4-inch pots, 40c each; \$3.50 per 10. Gallon cans, 60c each; \$5.50 per 10.

HARDENBERGIA

COMPTONIANA—A beautiful evergreen, winter blooming climber producing a profusion of small violet-blue pea-shaped flowers in long racemes. Attains a height of 8 feet and prefers partial shade. Gallon cans, 85c each.

California customers please include Sales Tax

HONEYSUCKLE

HALLEANA (Hall's Japanese)—A strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow; very fragrant; a long and continuous bloomer. 4-inch pots, 40c each.

CHINESE—Strong grower, new growth is reddish-purple on branches and back of leaves. Flowers white and pink, fragrant. 4-inch pots, 40c each.

HOPS

(*Humulus Lupulus*)

One of the best climbers for covering unsightly places. \$1.25 per dozen, postpaid. (Plant from March 15th to May 1st.)

IPOMOEA

(Moonvine)

LEARII—A rapid growing climber with large, dark blue flowers; free bloomer, 4-inch pots, 50c each; 3 for \$1.25.

IVY

(*Hedera*)

ENGLISH—Large, dark green leathery leaves. Clings tenaciously to walls; makes a good ground cover under trees. 4-inch pots, 40c each; \$3.50 per 10. Gallon cans, 50c each; \$4.50 per 10.

ENGLISH SMALL LEAVED—4-inch pots, 40c each; \$3.50 per 10. Gallon cans, 50c each; \$4.50 per 10.

MADERENSIS VARIEGATA—A giant leaved form with a broad yellow margin. 4-inch pots, 40c each; \$3.50 per 10. Gallon cans, 60c each; \$5.00 per 10.

JASMINE

GRANDIFLORUM (Catalonian Jasmine)—Flowers pink in bud, white when open, very large and delightfully fragrant. Blooms most of the time. 4-inch pots, 50c each. Gallon cans, 75c each.

PRIMULINUM (Double Yellow Jasmine)—Flowers very large and usually double. The fastest growing Jasmine. Gallon cans, 60c each; \$5.50 per 10.

STEPHANENSE (Pink Jasmine)—A beautiful pink-flowering variety with twining, slender stems. Fragrant flowers, more than an inch in diameter. Gallon cans, 75c each.

LANTANA

(Protect from frost until established)

A semi-dwarf evergreen climber, bearing Verbena-like clusters of flowers in various colors. Should be planted in sunny position.

ORANGE-YELLOW—4-inch pots, 35c each; \$3.00 per 10. Gallon cans, 60c each.

PINK—4-inch pots, 35c each; \$3.00 per 10. Gallon cans, 60c each.

LAVENDER—4-inch pots, 35c each; \$3.00 per 10. Gallon cans, 60c each.

MANDEVILLEA

(Chile Jasmine)

SUAVEOLENS—A deciduous vine, bearing white flowers shaped like Jasmine, but far larger and even more fragrant. Summer bloomer. Gallon cans, 65c each.

PASSION VINE

(*Passiflora*)

(Protect from frost until established)

Very rapid growing evergreen climber with large green leaves and brilliantly colored handsome flowers. Well adapted for covering walls, blooming very freely in the summer and fall.

JAMESONI—Bright salmon-pink with a tube 4 inches long. Foliage glossy bright green, 5-inch pots, 75c each.

EDULIS (Passion Fruit)—Rapid grower, bears purple fruits. Gallon cans, 75c each.

PINK—Clear pink flowers. Gallon cans, 60c each.

SCARLET—A very brilliant color. Gallon cans, 60c each.

PHILADELPHUS

MEXICANUS (Climbing Mock Orange)—A hardy, vigorous vine, excellent for training along the eaves of a house or over a pergola, the branches growing outward and downward like a waterfall. Covered in spring with fragrant, creamy-white double flowers 2 inches across. Gallon cans, 65c each.

PLUMBAGO

CAPENSIS (Blue)—Can be trained as a bush or climber. Flowers light sky-blue, produced throughout the entire summer; stands drought and the brightest sunshine. Gallon cans, 60c each; \$5.50 per 10. (Protect from frost until established.)



Ceanothus Puniceus—See page 72.

POLYGONUM

(Silver Lace Vine)

AUBERTI—A hardy climber of vigorous growth producing great foamy sprays of white flowers during summer and fall. 2-year-old roots, 75c each.

RHYNCOSPERMUM

JASMINOIDES (Star Jasmine)—A splendid evergreen climber of strong but not rampant growth with leathery, glossy leaves which make a dense mat; covered in spring and early summer with very sweet scented star-like flowers. It thrives equally well in full sun or semi-shade and is hardy almost everywhere in California. Gallon cans, 85c each.

SOLLYA

HETEROPHYLLA—This is known as the Australian Bluebell Creeper and is valuable for covering banks and low fences; the flowers are tube-shaped and a brilliant blue color. A hardy evergreen climber. Gallon cans, 60c each.

WISTERIA

One of the most elegant and rapid-growing of all climbing plants, bearing long grape-like clusters of flowers in early spring before the leaves appear; attains an immense size, growing at the rate of 15 to 20 feet in a season.

SINENSIS PURPLE—Racemes nearly a foot long and very compact. Flowers are light purple. 2-year-old grafted stock, \$1.25 each.

SINENSIS WHITE—2-year-old grafted, \$1.50 each.

MULTIJUGA BLUE—Flowers are smaller but the clusters are longer. Grafted stock, \$1.50 each.

MULTIJUGA ROSEA—Light lavender-pink flowers on long slender racemes. Grafted stock, \$1.50 each.

STANDARD WISTERIA—Strong single stem, well developed head. Sizes and prices on application.



A Perennial Border

Rockery and Perennial Flowering Plants

Varieties suitable for the rockery are marked with an asterisk (*)

Orders for Rockery and Perennial Plants amounting to \$2.00 and over are prepaid within the third zone. Add 25c to cover postage and handling charges on orders for less than \$2.00.

ACHILLEA (Milfoil or Yarrow)

Plants suitable for dry, sunny places; bloom all summer.

FILIPENDULINA—Flat heads of brilliant yellow flowers; finely cut foliage. 4 feet. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

ROSEUM—Flowers deep rose colored in dense heads 18 inches high. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

*TOMENTOSA (Woolly Yarrow)—Bright yellow flowers in bloom from July to September. 6 to 8 inches. Excellent for rockery. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ACONITUM (Monkshood)

Summer and fall flowering hardy perennials with bold spikes of hood-shaped flowers, thriving in either sun or shade. Do not plant near vegetable garden as roots are poisonous.

NAPELLUS (True Monkshood)—Bright blue flowers. 3 to 4 feet, June, July. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

SPARKS' VARIETY—Tall branched spikes covered with deep blue flowers. July, August. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

WILSONI—Violet-blue flowers. 5 to 6 feet. Very late fall. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

AGAPANTHUS (Blue African Lily)

The flowers are bright blue and are produced in clusters of 20 to 30 on stalks 3 feet tall. They bloom for a long period in the summer and fall.

They will grow in a sunny or partially shaded location. Strong roots. **Each, 35c; doz., \$3.50.**

*AGATHEA

COELESTIS (Blue Marguerite)—Sky-blue flowers with yellow disc growing 1 foot; in bloom all year round. Useful for window boxes and rockeries. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*AJUGA

REPTANS RUBRA—Forms a close carpet of richly bronzed purple leaves with blue Mint-like flowers on 4- to 6-inch stems. A useful plant for the rockery and for damp, shady places. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*ALYSSUM

SAXATILE (Golden Tuft)—An excellent low growing drought-resisting plant for rock-work or the border. Its masses of broad flat heads of bright yellow flowers are produced in May. Its leaves are evergreen and a good ground cover. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ANCHUSA (Alkanet or Bugloss)

Handsome, hardy perennials belonging to the Forget-me-not family. The leaves are rough and hairy and the brilliant blue flowers are borne in racemes on branching stems.

LISSADELL—Tall spikes of rich gentian-blue flowers in May and June. 4 to 5 feet. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*MYOSOTIDIFLORA—Of dwarf habit with clusters of bright blue Forget-me-not-like flowers in May and June. 12 inches high. An effective rock plant for a semi-shady place. **Each, 25c; 3 for 60c; doz., \$2.00.**

*ANDROSACE (Rock Jasmine)

LANUGINOSA LEITCHLINII—An interesting alpine which requires a very gritty soil, the stones furnishing the cool moisture the roots enjoy; prefers a northerly aspect of the rockery. Trailing habit and soft silvery foliage; flowers white with rose-colored eye. 3-inch pots. **Each, 35c; 3 for 90c; doz., \$3.00.**

ANEMONE

JAPONICA—The Japanese Wind-Flowers are amongst the most beautiful of our fall flowering plants. They bloom in wonderful profusion from August until late in the fall and attain a height of 4 to 5 feet. They require a partially shaded location; also fine as a cut flower.

SILVERY PINK, WHITE, ROSY RED. Each, 30c; 3 for 75c; doz., \$2.50.

AQUILEGIA
(Columbine)

Columbines are among the most beautiful hardy perennials, producing gracefully spurred flowers on stems 2 to 3 feet tall throughout May and June.

HALLAWELL'S SELECT HYBRIDS—Mixed colors. 1-year-old plants. Each, 25c; 3 for 60c; doz., \$2.00. Strong clumps. Each, 30c; 3 for 75c; doz., \$2.50.

BLUE HYBRIDS—1-year-old. Each, 25c; 3 for 60c; doz., \$2.00.

ORANGE and SCARLET HYBRIDS—1-year-old. Each, 25c; 3 for 60c; doz., \$2.00.

PINK HYBRIDS—1-year-old. Each, 25c; 3 for 60c; doz., \$2.00.

***ARABIS**
(Rock Cress)

ALPINA FL.-PL.—Similar to the Alyssum or Golden Tuft but with double pure white flowers from early spring until summer. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

ARMERIA
(Sea Pink)

Evergreen border plant, very dwarf, requiring no trimming; flowers rose-pink. Doz., 35c; postpaid, 50c; 100, \$2.50 postpaid within the 3rd zone.

HARDY ASTERS
(Michaelmas Daisies)

CLIMAX—Extra large lavender-blue flowers. Two inches across. 4 feet tall; very fine.

LITTLE BOY BLUE—The finest rich blue Aster introduced. Very compact habit, not over 2 feet tall.

LITTLE PINK LADY—Rich pink, 2 feet tall. Each, 35c; 3 for 90c; doz., \$3.00.

PERRY'S WHITE—Pure white with golden center. 4 feet tall.

PLEIADES (Yvette Richardson)—A miniature Michaelmas Daisy with a profusion of lavender blue flowers on 8- to 12-inch stems.

RYECROFT PINK—Bright rose and a very free bloomer; 4 to 5 feet tall.

ST. EGWIN—A pleasing soft rosy pink of medium size; very free flowering of fine compact habit; 2 to 3 feet tall.

All of the above. Each, 30c; 3 for 75c; doz., \$2.50, except where otherwise noted.

***SUB-COERULEUS**—Flowers light blue, 3 inches in diameter on leafless stems 12 inches high issuing from a tuft of leaves; useful for the rockery or border. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

***ARENARIA**

CAESPITOSA (Irish Moss)—Makes a vivid green carpet an inch or so high and spreads rapidly. Fine for rock gardens and flag walks. Sections, 25c each; Flat, 14x24 inches, \$1.50 by express F. O. B. San Francisco.

***AUBRIETIA**

GRAECA—One of the daintiest of all dwarf creeping plants for carpeting beds or rockwork, forming brilliant sheets of blue for many weeks. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

CALCEOLARIA

Fine little shrub of low growth, bearing large clusters of pouch-like flowers in yellow and brown shades.

PURE YELLOW or CRIMSON with yellow border. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00. (April Delivery.)

***CONVOLVULUS**

MAURITANICUS—A low-growing plant which spreads about 18 inches and bears for months large and lovely blue flowers in profusion. For covering a dry bank or for a rockery it has no superior. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

CAMPANULA

CANTERBURY BELLS—Hardy biennials bearing a profusion of bell-shaped flowers. **Single Pink, White and Lavender.** Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

CANTERBURY BELLS—Cup and Saucer; Lavender, Blue, Pink and White. Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

***CARPATICA (Carpathian Harebell)**—A pretty species suitable for rockwork, forming compact tufts not over 9 inches high, flowers come well above the foliage on slender wiry stems. Blooms from July until October. **Blue and White.** 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

PERSICIFOLIA (Peach Bells)—Perennial; 4 feet tall. In bloom during June and July. **Single White, Single Blue, Double Blue.** 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

PERSICIFOLIA TELHAM BEAUTY—Immense bell-shaped flowers of a pale china-blue, produced on long stems. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.

***PORTENSCHLAGIANA**—A low growing perennial sort with slender, graceful foliage and small blue-purple bell-shaped flowers which are produced very freely for a long period. Suitable for rockwork and borders. Young plants from flats. Each, 25c; 3 for 60c; doz., \$2.00.

***ROTUNDIFOLIA (Blue Bells of Scotland)**—Clear blue flowers; fine rock plant. 1 foot high, in bloom from June to August. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

GIANT FLOWERING CANNAS

Cannas succeed in a sunny position. For best results the ground should be spaded deeply and a generous amount of any well decayed manure thoroughly incorporated. Water freely at all times, after the plants are started. Set the roots 1 foot apart and cover the crowns with 3 inches of soil. Cannas may be planted from January to April.

All varieties have green foliage unless otherwise specified.

BEACON—Large cardinal-red. 4 feet.

CALIFORNIA—Orange and pink. 3¼ feet.

HUNGARIA—The best pink Canna. Flowers very large and trusses of enormous size. 4½ feet.

KING HUMBERT—Large orange-scarlet, streaked with crimson. Bronze foliage. 4 feet.

MME. CROZY—Vermilion-red with golden-yellow border. 3½ feet.

RICHARD WALLACE—Large canary-yellow. 4 feet.

THE PRESIDENT—Rich glowing scarlet with immense rounded flowers. 4 feet.

WINTZERS COLOSSAL—Immense vivid red. 5 feet.

WYOMING—Large orange colored flowers; bronze-purple foliage. 6 feet.

YELLOW KING HUMBERT—Deep rich yellow, softly spotted and blotched with bright red. 4½ feet.

Strong divisions. Each, 30c; 3 for 75c; doz., \$2.50.

CARNATIONS

Ready about April 1st. Orders amounting to \$1.00 and over are prepaid within the 4th zone. Add 15c to cover cost of postage and handling on orders for Carnations for less than \$1.00.

3-inch pots: 25c each; 3 for 65c; \$2.50 per dozen.

DAIRY MAID—White and pink variegated.

GOLDEN WONDER—Yellow and red variegated.

MAINE SUNSHINE—Yellow.

PATRICIAN—White.

PINK ABUNDANCE—Rose pink.

SPECTRUM SUPREME—Scarlet.

VIRGINIA—Shell pink.

WOBURN—Maroon.

COREOPSIS

A perennial with light, graceful foliage and beautiful golden flowers; blooms in mid-summer and is one of the best yellow cut flowers.

MAYFIELD GIANT—Large single deep golden-yellow flowers. Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

GRANDIFLORA FLORA PLENA—Semi-double yellow. Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

California customers please include Sales Tax



Chrysanthemum, Large Flowered Type

CHRYSANTHEMUMS

Plants ready about May 1st. Pot grown. Orders amounting to \$1.00 and over are prepaid within the 4th zone. Add 15c to cover cost of postage and handling on orders for Chrysanthemums for less than \$1.00.

Large Flowered Type

25c each; 3 for 60c; \$2.00 per dozen.

Set out the plants about 2 feet apart in well fertilized ground. After the young plants have grown 12 inches pinch them back about 4 inches, then each plant will send out from 3 to 4 stems. In order to give strength to the blossoms, cover the ground with a layer of an inch or two of decayed manure. As soon as the buds appear on the stems, let the largest remain and pinch off all others.

BRONZE TURNER—Buff bronze, lower petals shaded rosy bronze, incurved.

J. C. NEAL—Clear yellow.

KEYSTONE—Fine incurved, bronzy orange.

MISS RITA MITCHELL—Salmon-bronze with fawn reverse; a most attractive variety of enormous size.

MRS. G. G. MASON—Clear blood-red.

MRS. KELLY—Deep amaranth with a deep lavender reverse.

PINK TURNER—Clear lavender-pink, incurved.

REFLEXED LOUISA POCKETT—Reflexed purest white.

THOS. W. POCKETT—A lovely clear pink with incurving tips.

WILLIAM TURNER—Pure white, incurved.

WOOLF'S PINK—Violet and light pink, incurved.

YELLOW TURNER—Light yellow, incurved.

Pompon or Button Type

15c each; \$1.50 per dozen.

AMETHYST—Bright purple, medium.

BALDWIN'S SCARLET—Bronze red, splendid form. Button type.

CANARY—Bright canary yellow. Button.

DONALD—Lavender-pink. Button.

GOLDEN NYMPH—Yellow. Button.

GOLD TIPS—Bright bronze, tipped gold.

INDIAN HILL—Orange-yellow. Button.

L'ARGENTILLIS—Chestnut-red. Button.

LILAC—Excellent, deep lavender.

NELMA PUTNAM—Rose-pink. Medium.

PINK GEM—Lilac-pink. Baby.

RED CAPRICE—Crimson-maroon. Medium.

TOPAZ—Bronze, tipped mahogany. Medium.

UVALDA—Pure glistening white. Medium.

Single Type

20c each; \$2.00 per dozen.

BRONZE BUCKINGHAM—Glowing bronze.

CHARLOTTE WAITE—Deep rose.

GOLDEN SUN—Tall yellow.

PORTIA—Deep salmon-bronze shading in center to bright flame.

SUPREME—Deep crimson, large.

WILLIAM BUCKINGHAM—A grand vigorous pink.

Korean Hybrids

35c each; \$3.50 per dozen.

APOLLO—Bronze, red and gold.

CERESE—Chamois-yellow and gold.

DAPHENE—Salmon pink.

DIANA—Lilac-rose and salmon.

MARS—Deep amaranth.

MERCURY—Coppery-bronze and red.

Spidery and Thread-Like

25c each; \$2.50 per dozen.

AMATERASU—Yellow.

BENTEN—Greenish-gold tipped red.

DAIKOKU—Pink and pale green.

LILLIAN—Lavender.

TACHIBANA—Resembles Corn Silks.

FUGI—Pale lavender.

Anemone Flowered Type

20c each; \$2.00 per dozen.

An entirely distinct type which is readily identified by the large central cluster composed of a myriad of smaller short petals.

CHESTNUT—An even shade of tan color.

CO-ED—Deep rose-pink.

GRAF VON ORIOLA—Pure rose-pink, tubular petals in center, tipped gold.

RED BIRD—Deep ruby-red with green, golden-crested center.

THE CHIEF—Light yellow.

TRIUMPH—Golden yellow shaded bronze.

Regarding postage on Perennial Plants see top of page 74.

CRASSULA

- ***COCCINEA** (Rochea Coccinea)—A shrubby plant about 2 feet high with small flat imbricated leaves and bright scarlet, fragrant flowers. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**
- ***IMPRESSA**—Deep rosy red flowers in small terminal clusters, leaves narrow, tinged and dotted red and growing in tufts; 4 inches high. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**
- ***LYCOPOIDES**—Quite a miniature plant with deep green foliage resembling club moss. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

TREE DAHLIA

(Dahlia Imperialis)

A beautiful flowering plant growing 10 to 18 feet high and covered in the fall with nodding single Dahlia-like flowers of a lavender-pink color; should be left undisturbed in the ground. Strong roots. **Each, 75c postpaid. (April Delivery.)**

DIELYTRA

(Bleeding Heart)

SPECTABILIS—An old-fashioned favorite; its long racemes of graceful, heart-shaped pink flowers are very attractive. Does well in any part of the hardy border and especially valuable for planting in the shade. Clumps. **Each, 50c.**

DIANTHUS

(Hardy Pink)

- ***CAESIUS** (Cheddar Pink)—A splendid rock plant forming dense tufts of glaucous foliage, 3 to 6 inches high, with fragrant, delicate rose-colored flowers in May and June. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**
- ***DELTOIDES** (Maiden Pink)—A dwarf little plant with narrow leaves, bearing a profusion of small, fragrant, rosy pink flowers during June and July. Easily grown in the rockery. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**
- ***DELTOIDES ALBUS**—A white form of the above variety. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**
- ***DELTOIDES SPLENDENS**—Glowing crimson; very effective. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**
- PLUMARIUS** (Clove Pinks)—The double and semi-double flowers are fringed and fragrant like cloves and come in various colors; extensively used for borders and edgings. **Doz., 50c; 100, \$3.50.**

DELPHINIUM

A remarkably showy class of tall growing plants, producing magnificent spikes of blue flowers in summer; will grow well in partial shade; fine for planting in mixed borders.

- WREXHAM** or **HOLLYHOCK STRAIN**—Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**
- HALLAWELL'S SELECT HYBRIDS**—An exceptionally fine strain. Clumps. **Each, 30c; 3 for 75c; doz., \$2.50.**
- BELLADONNA IMPROVED**—Light turquoise-blue. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**
- DEEP BLUE SHADES**—Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**
- LIGHT BLUE SHADES**—Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

DIGITALIS

(Foxglove)

Hardy perennials, producing long spikes of various colored flowers; fine for shrubberies and half shady places. **Rose, White and Purple.** Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

GIANT SHIRLEY MIXTURE—The plants attain a height of 5 to 7 feet, with spikes 3 to 4 feet long carrying flowers of giant size, ranging in color from white to dark rose, which are blotched and spotted. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

DORONICUM

EXCELSUM—A hardy perennial with bright yellow flowers nearly as large as the Shasta Daisy. It blooms very early and for a long season and is invaluable for cutting. The leaves are close to the ground and the slender stems 2 feet or more in height. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

ECHINOPS

(Globe Thistle)

RITRO—Striking hardy perennial plant, with handsome silvery thistle-like foliage and fine steel-blue flowers in round heads, which can be used for cutting; 3 to 5 feet. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

*ERIGERON

MUCRONATUS—Also known as Vittadinia. A charming plant for the garden or rockery, with small Daisy-like flowers which are at first rose colored, then white. Blooms profusely almost the entire season. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*ERINUS ALPINUS

Pretty rosettes of foliage and racemes of small rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*FELICIA

PETIOLATA—Also known as Agathea Rosea. A most desirable trailing plant with pink Daisy-like flowers. Planted on a wall it will hang down from 2 to 4 feet and it flowers almost continuously. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

FILIPENDULA

HEXAPETALA—Also known as Spiraea Filipendula. Has pretty fern-like, low foliage and many creamy white flowers which are tipped red and borne in cymes on stems about 18 inches in height during May and June. Thrives in a moist soil and sunny situation. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**



Doronicum Excelsum

Varieties suitable for the rockery are marked with an asterisk (*)



Geum

HARDY FERNS

A shady position useless for the cultivation of other plants is easily transformed into a hardy fernery. Of easy culture especially if a liberal amount of leaf mold or peat is mixed with the soil.

For ferns to be shipped, add 10c each for packing.

ADIANTUM PEDATUM (Five Fingered Fern)—A native species of Maiden Hair Fern. 4-inch pots. **Each, 40c.**

ASPLENIUM BULBIFERUM (Carrot Fern or Mother Fern)—5-inch pots. **Each, 50c.**

ASPLENIUM FILIX-FOEMINA (Lady Fern)—A large native fern with fronds 3 to 4 feet long. It dies down in winter but makes a very rapid growth in early spring. Gallon cans. **Each, 60c.**

CYRTOMIUM FALCATUM (Holly Fern)—5-inch pots. **Each, 50c.**

NEPHROLEPIS TUBEROSA (Common Sword Fern)—5-inch pots. **Each, 50c.**

PTERIS—In variety. 5-inch pots. **Each, 50c.**

WOODWARDIA RADICANS (Chain Fern of California)—Tall, erect and much divided bright-green fronds. Gallon cans. **Each, 60c.**

GERANIUMS

(Protect from frost until established)

3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.** Orders amounting to \$1.00 and over are prepaid within the fourth zone. Add 15c to cover cost of postage and handling on orders for Geraniums for less than \$1.00.

MADAM KOVALESKY—Bright orange, immense trusses.

GERTRUDE PEARSON—Single, rosy-pink, large white eye.

PAUL CRAMPEL—Rich, dark crimson-scarlet, large truss.

MRS. E. G. HILL—Beautiful salmon; a fine large flower.

SINGLE WHITE. DOUBLE WHITE.

IVY LEAFED VARIETIES

SINGLE LAVENDER—A beautiful clear lavender shade.

GALILEE—Double bright pink.

CHAS. TURNER—Double bright salmon-rose, very large.

DOUBLE SCARLET—Vivid red.

FRANCOA

RAMOSA—A handsome, half hardy perennial plant which is useful as a decorative pot plant as well as for the perennial border. During the summer months it produces elegant, long sprays of pure white or bluish-pink flowers which are excellent for cutting. 2½ feet high. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

GAILLARDIA

Very showy hardy perennials growing 1½ to 2 feet high and blooming all summer. Flowers are scarlet and yellow, blended and shaded. 3 inches in diameter, produced on long stems.

GRANDIFLORA HYBRIDS—Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

PORTOLA—Flowers are of enormous size, 4 to 5 inches in diameter; color is a rich crimson-bronze zoned with yellow at the tips, 2 to 3 feet high; splendid for cutting. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

GAZANIA

Flowers orange or yellow, produced in greatest abundance in the spring and early summer, valuable for making borders where there is a lack of water.

SPLENDENS—Orange-yellow. From flats. **Doz., 50c; postpaid, 65c; \$3.75 per 100.**

LONGISCAPA—Golden-yellow, large and beautiful. Also useful for window boxes. From flats. **Doz., 60c; postpaid, 70c; 100, \$4.00.**

GERBERA

(Transvaal Daisy)

The large Marguerite-like flowers come in all shades of pink, salmon, red and yellow and are borne on long, stiff, straight stems. They require a warm, sunny position, good drainage and protection from frost. Care must be taken not to plant them so that the crowns are buried. **Mixed Colors.** Strong plants. **Each, 30c; 3 for 75c; doz., \$2.50.**

GEUM

A showy hardy perennial with large brilliant flowers borne on long stems, blooming nearly all summer; fine for cutting. 2 feet high.

MRS. BRADSHAW—Large double orange-scarlet flowers. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

LADY STRATHEDEN—Fine rich golden-yellow flowers which match in other respects the popular scarlet variety, Mrs. Bradshaw. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

HELENIUM

RIVERTON GEM—A strong growing perennial 3 to 5 feet high, bearing in late summer and fall masses of large, Daisy-like flowers, which are old gold, changing to wallflower-red as they mature. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

HELIANTHUS

(Hardy Sunflower)

MISS MELLISH—A most graceful single-flowered variety, growing from 5 to 7 feet high, continuing in bloom very late in the season. The flowers are produced in long, graceful sprays, which makes it invaluable for cutting purposes. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*HELIANTHEMUM

(Sun Rose)

Low spreading evergreen plants which for months in the summer are almost hidden by thin dainty flowers which are usually single and resemble little roses. Excellent for a sunny rockery or in front of the border. They are drought resisting but respond wonderfully to rich soil and care and are lime lovers.

Single Pink, Single Orange, Single Yellow, Double Yellow and Double Red—3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ROSE QUEEN—Single clear pink, foliage somewhat larger than the preceding varieties and of more vigorous growth. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

Regarding postage on Perennial Plants see top of page 74.

HEMEROCALLIS

(Day Lily)

Popular hardy plants belonging to the Lily family. They succeed everywhere and should be included in every border of old-fashioned hardy plants. The flowers are produced in spikes from six to a dozen blooms, opening in succession.

FLAVA (Yellow Day Lily)—Fragrant deep lemon-yellow flowers in June and July; 2½ to 3 feet. **Each, 30c; 3 for 75c; doz., \$2.50.**

FULVA (Tawny Day Lily)—Coppery orange with darker shadings, June and July; 3 feet. **Each, 30c; 3 for 75c; doz., \$2.50.**

KWANSO FL. PL.—Double orange with darker shadings. July and August; 3 feet. **Each, 40c; 3 for \$1.00; doz., \$3.50.**

***HEUCHERA**

(Coral Bells)

SANGUINEA—A low growing plant with heart-shaped leaves which form a low clump 6 to 8 inches high and bearing during early summer, loose graceful sprays of coral-red flowers in great profusion; suitable for the border or rockery and thriving in the shade or in cool places in the sun. Young plants from flats. Field grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

HOLLYHOCK

A hardy perennial of upright growth, 5 to 8 feet high.

Double Rose Pink, Double Red, Double Pure Pink, Double Yellow, Double Maroon, Double White. Strong field grown plants. **Each, 25c; 3 for 60c; doz., \$2.00.**

***HYPERICUM**

OLYMPICUM—A trailing species for the rock garden, with slender evergreen foliage and bright yellow flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

IMPATIENS

OLIVERI—A half hardy showy plant growing 4 to 6 feet high. Flowers pale lilac, 2¼ inches across. In bloom for a long time and excellent for the shady border. 4-inch pots. **Each, 35c.** (Protect from frost until established.)

LINARIA

***AEQUITRILOBA**—The prettiest and most interesting of the genus. A close growing, creeping evergreen with tiny pale mauve flowers with a reddish purple palate. For rockwork, walls and crevices of walks. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***CYMBALARIA** (Kenilworth Ivy)—A trailing variety for rocks and walls, with small lilac flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

LINUM

(Flax)

***FLAVUM** (Golden Flax)—Flowers golden yellow, free blooming, 1 foot tall. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

***NARBONENSE**—Azure-blue with white eye. Forms a spreading clump and is fine for the rockery. The flowers of other Linums drop off at noon, but in this species they remain open all day and last for several days. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

***PERENNE**—An excellent plant for the border or rockery growing 1½ feet high with light, graceful foliage. For a long period beautiful blue flowers appear daily in the morning. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

LIPPIA

REPENS—Used in place of grass for lawns. It does not require much water and makes a fairly good substitute. Strong rooted plants, **\$2.00 per 100.** Flat 14x24 inches, **\$1.50** by express F. O. B. San Francisco.

***LITHOSPERMUM**

PROSTRATUM, HEAVENLY BLUE—One of the most beautiful of the trailing plants, with small deep green leaves and masses of pure blue flowers during spring and early summer. Should be in every rock collection. 3-inch pots. **Each, 35c.**

LOBELIA

CARDINALIS "Queen Victoria"—A most brilliant colored hardy perennial, succeeding best in a moist, deep loam. The rich, fiery cardinal flowers are produced on spikes often 24 to 30 inches high; foliage, dark red. In bloom from early in August to late in September. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

TUPA—A very strong growing, shrubby perennial, 4 to 7 feet tall. The large blood-red flowers are 2 inches long with a hooded lip curving downwards and are borne on long terminal racemes. A rare and beautiful summer blooming variety. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

LYCHNIS

(Campion)

***ALPINA**—A very dwarf plant for the rockery. Produces clusters of rose-pink flowers in spring and early summer. 4 to 6 inches high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

CHALCEDONICA—Heads of vivid scarlet flowers blooming a long time. One of the brightest plants in the hardy border. 3 feet high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

MARGUERITE

(Protect from frost until established)

A half-hardy perennial shrub, remaining in bloom all year round and requiring very little water.

WHITE or YELLOW—4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

MERTENSIA

(Virginia Blue Bells)

VIRGINICA—A spring flowering perennial, growing about 1 to 1½ feet high, with blue, funnel-formed flowers in nodding clusters; reddish purple in bud but when the flowers open they change to a lovely gentian-blue. In bloom from April to June; requires a partially shaded position and moist soil. 4-inch pots. **Each, 35c; 3 for 90c; doz., \$3.00.**



Portion of the Rockery

California customers please include Sales Tax



Iceland Poppies

MESEMBRYANTHEMUM

(Ice Plant)

(Protect from frost until established)

These are much used for planting in rockeries and on embankments where there is a scarcity of water. They make a gorgeous sight when in bloom.

***AUREUM**—Shrubby with large bright orange flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***FALCIFORME**—A low shrubby variety with glaucous foliage and numerous small lavender-pink flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***FLORIBUNDUM**—Small lavender-pink flowers with very narrow foliage. The most popular variety for covering banks. From flats. **Doz., 40c; postpaid, 50c; 100, \$2.75.**

***SPECTABILE**—Large bright rose colored flowers with coarse foliage. Trailing habit; suitable for banks. **Each, 25c; 3 for 60c; doz., \$2.00.**

***BROWNII**—A narrow leaved variety growing 1 foot high or more, and much branched; flowers orange changing to various shades of rose, with petals $\frac{3}{4}$ inch long. Suitable for the rock garden and dry situations. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***MURICATUM**—The small triangular leaves are smooth and very glaucous, giving the plant a bluish effect. Desirable for the rockery. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***NEPETA**

MUSSINI—A hardy dwarf compact perennial, producing clouds of light blue flowers from May to September. Makes a fine permanent edging and an excellent rock plant; 10 inches high when in bloom. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***OENOTHERA**

(Evening Primrose)

MISSOURIENSIS—A low species with prostrate or ascending branches. Solitary yellow flowers often 5 inches across. Blooms profusely from June to August; 10 inches high. Good for rock garden or border. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

Regarding postage on Perennial Plants see top of page 74.

PANSIES

GENEVA GIANTS—Young plants, from flats. **Doz., 35c; postpaid, 50c; 100, \$2.50, postpaid within 3rd zone.**

PENTSTEMON

A hardy perennial growing 2 feet high, sending up spikes of bright colored and spotted flowers. Somewhat like the Foxglove but in a great variety of colors.

RED SHADES, ROSE SHADES, VIOLET SHADES—Field grown plants. **Each, 25c; 3 for 60c; doz., \$2.00.**

MIXED COLORS—Field grown plants. **Each, 25c; 3 for 60c; doz., \$2.00.**

HARDY PHLOX

A beautiful and easily grown perennial about 3 feet high, producing magnificent spikes of showy flowers. They remain in bloom all summer; set the plants 18 inches apart.

BARON VON DEDEM—Brilliant orange-scarlet.

ELIZABETH CAMPBELL—Light salmon-pink with lighter shadings and dark red eye.

MIA RUYS—Enormous trusses of purest white flowers. Dwarf.

PROFESSOR SCHLIEMANN—Bright lilac-rose. Prefers a shaded situation.

RIJNSTROOM—Immense flowers and trusses of a clear rose-pink.

THOR—Deep salmon-pink, overlaid with a scarlet glow.

Any of the above in separate colors or assorted in 2-year clumps. **Each, 30c; 3 for 75c; doz., \$2.50.**

***PHLOX**

SUBULATA (Moss Pink)—A spring flowering type with pretty moss-like evergreen foliage which during the flowering season (April and May) is hidden under masses of bloom. An excellent plant for the rockery. **Light Lilac, White and Pink. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.**

PHYSOSTEGIA

VIRGINIANA VIVID—20 inches. Well branched plants bearing many spikes of vivid rose-pink flowers which are very desirable for cutting. Blooms 2 to 3 weeks later than other varieties. **Each, 35c; 3 for 90c.**

***PLUMBAGO**

LARPENTAE—An excellent rock plant for fall bloom. Flowers intense deep Plumbago-blue. Thrives in sun or light shade. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ICELAND POPPIES

The plant is of neat habit, forming a tuft of bright green fern-like foliage, from which spring, throughout the entire season, a profusion of beautiful cup-shaped flowers on slender leafless stems 1 foot high.

ORANGE, YELLOW or PINK SHADES—3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ORIENTAL POPPIES

A charming summer flowering hardy plant, producing numerous leafy stems about 2½ feet high, with large, showy flowers, having a conspicuous black blotch on each petal.

RED or ORANGE—3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***POTENTILLA**

(Cinquefoil)

NEPALENSIS ROXANA—A hardy perennial border plant with Strawberry-like foliage. Flowers are brilliant salmon with darker veins. Related to Geum. 18 inches high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

PRIMROSE

(Primula)

POLYANTHUS VERIS—A hardy variety used for borders and blooming very early in the year. **Mixed Colors. From flats. Doz., 50c; postpaid, 60c; 100, \$4.00 postpaid within 3rd zone.**

***AURICULA**—The Primrose of the Alps. Forms rosettes of thick leaves. Flowers variously colored; fragrant. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**



Pyrethrum Roseum

PYRETHRUM ROSEUM

IMPROVED SINGLE HYBRIDS—A hardy perennial bearing large Cosmos-like flowers with bright yellow centers; blooms in May and June and again in the fall and is one of the most graceful and long-lasting cut flowers; 2 feet. A re-selected strain with rose and pink shades predominating, with some reds and very few white. Clumps. **Each, 30c; 3 for 75c; doz., \$2.50.**

REHMANNIA

ANGULATA—A half-hardy herbaceous perennial with beautiful large rosy purple Gloxinia-like flowers. Suitable for pot culture or outdoors in a sheltered situation. 3 feet tall. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

RUDBECKIA (Cone Flower)

LACINIATA FL. PL. (Golden Glow)—Handsome perennials, 6 to 8 feet high, covered with very double golden yellow flowers in summer time. Strong roots. **Each, 25c; 3 for 60c; doz., \$2.00.**

PURPUREA GRANDIFLORA (Purple Cone Flower)—Large, handsome crimson-purple flowers with dark central disc. 3 feet tall. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

SCABIOSA

CAUCASICA (Blue Bonnet)—One of the handsomest of hardy perennials. 3 feet. Large pale blue flowers on long stems; fine for cutting. 2-year-old. **Each, 30c; 3 for 75c; doz., \$2.50.**

COLUMBARIA—Fine orchid-pink flowers on long stems, spreading habit and very free flowering. Flowers slightly smaller than Caucasica but a good companion. Pot grown. **Each, 30c; 3 for 75c; doz., \$2.50.**

SALVIA

AZUREA—A hardy perennial variety growing 3 to 4 feet high and producing during late summer, panicles of pretty sky-blue flowers in great profusion. It requires a sunny situation and will stand considerable drought. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

PITCHERI—Same as the preceding variety, except in color, which is intense gentian-blue (deep blue). One of the best late fall flowers. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

LEUCANTHA—A shrubby variety 1½ to 2 feet high with elongated woolly branches. The violet-purple flowers are tipped white and are borne in whorls on spikes which are 6 to 10 inches long. Blooms in late summer. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

PATENS (Blue Sage)—A tender tuberous rooted plant for the border, 2 feet high. Flowers are of a rich blue color. The tubers should be lifted in the late fall and kept in a protected place during winter. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

SAXIFRAGA

***AIZOON**—Rosettes of fleshy leaves with silvered edges, white flowers, 6 to 8 inches. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

***AIZOON FLAVESCENS**—Tiny yellow flowers, the usual pretty rosette of silver margined foliage. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

CRASSIFOLIA—A low-growing hardy plant with large leaves, especially adapted for shady places. Bears good-sized pink flowers in a large panicle rising to a foot above the ground. Commences to bloom in the fall and continues throughout the winter. 4-inch pots. **Each, 35c; 3 for 90c; doz., \$3.00.**

***MACNABIANA**—Numerous white flowers heavily speckled with pink to purple dots which are large. Autumn foliage shows handsome tints. 12 to 15 inches. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

SARMENTOSA (Strawberry Geranium)—A favorite basket and vase plant of trailing habit with coarsely toothed, somewhat heart-shaped foliage which is reddish below and veined with white above; flowers white. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***UMBROSA**—Is the London Pride and a dainty plant with erect flowering stems about a foot high and many small white flowers. The foliage is pretty and tufted, and it spreads to form a fine colony. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

SEDUM (Stonecrop)

The dwarf varieties are charming plants for sunny positions in the rockery and the taller sorts make effective color groups in the border.

***ALBUM**—Foliage soft green, flowers white, 2 to 3 inches. May to July. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***DASYPHYLLUM**—Leaves resemble pinkish gray beads set tightly on frail stems. The small star-shaped flowers are white to pinkish. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***HISPANICUS MINUS**—Delicate grayish foliage, very dwarf and mossy. Flowers pinkish white. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***RUPESTRE**—A creeping variety forming a mat. Flowers golden yellow. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***SPECTABILE**—One of the prettiest erect growing species, attaining a height of 18 inches, with broad light green foliage and immense heads of showy rosy crimson flowers. Fine late fall blooming plant. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***SPURIUM**—A flat trailing variety with dense foliage a little over an inch high and purplish pink flowers on stems 6 inches high during July and August. Foliage often assumes bronze tints. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***SPURIUM COCCINEUM**—A beautiful rosy crimson flowered form. 6 inches. July and August. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***STAHLII (Rattlesnake Sedum)**—Very attractive, 2 to 4 inches high with thick, bronze-red bead-like foliage of trailing habit, much branched. Yellow flowers in April and May. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

Varieties suitable for the rockery are marked with an asterisk (*)



Shasta Daisy, Storm King

SHASTA DAISY

ALASKA—A most satisfactory perennial, blooming very profusely for a long period. The flowers are single white, yellow center, and borne on long stiff stems. Extra large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

FRINGED—A new semi-double sort with many narrow petals; fine for cutting. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

STORM KING—A new variety with glistening pure white flowers $3\frac{1}{2}$ to 4 inches in diameter with several rows of petals and a yellow cushion-like center flaked with white. 18 to 20 inches tall. Clumps. **Each, 40c; 3 for \$1.00.**

SEMPERVIVUM

(Houseleek)

Curious and interesting plants forming rosettes of succulent leaves in varving colors. Flower stems 6 to 10 inches high, blooming from July to September. Good for rockeries and walls.

***ARACHNOIDEUM** (Cobweb Houseleek) — Tips of leaves in rosette usually connected with silvery threads; flowers bright red. 3-inch pots. **Each, 35c; 3 for 75c; doz., \$2.50.**

***CALCAREUM**—Large rosettes, glaucous-blue, distinct red-purple tip. 3-inch pots. **Each, 35c; 3 for 75c; doz., \$2.50.**

***GLAUCUM**—Medium rosettes of pale glaucous-green leaves. Flowers red. 3-inch pots. **Each, 35c; 3 for 75c; doz., \$2.50.**

***LAGGERI**—A large rosette form of Arachnoideum. Lovely green foliage. Flowers rose. 3-inch pots. **Each, 35c; 3 for 75c; doz., \$2.50.**

SOLIDAGO

(Golden Rod)

CANADENSIS—Well-known golden-yellow, hardy perennial, flowering late in summer. 3 feet. Strong roots. **Each, 25c; 3 for 60c; doz., \$2.00.**

GOLDEN WINGS—The finest of all. 5 feet high with immense panicles of bright golden-yellow flowers from July to September. Strong roots. **Each, 25c; 3 for 60c; doz., \$2.00.**

SPIRAEA

PALMATA (Pink Meadow Sweet)—Lovely clusters of fragrant, feathery pink flowers with red stamens. The flower stems are 2 to 4 feet tall, standing well above the attractive foliage. It is hardy, of easy culture, may be planted in semi-shade and blooms freely during midsummer. Clumps. **Each, 50c; 3 for \$1.25.**

STATICE

(Sea Lavender)

(Protect from frost until established)

ARBOREA—Has large spreading panicles of deep lavender flowers and large leathery leaves at base of the plant. Much used for window boxes. Gallon cans, 50c each.

STOKESIA

(Cornflower Aster)

CYANEA—Deep lavender-blue flowers, 4 inches in diameter. Very free bloomer of the easiest culture. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

STRAWBERRY

EVERGREEN—Useful for covering embankments, etc., foliage deep glossy green. Bare roots. **Doz., 35c; postpaid, 45c; 100, \$3.00, postpaid within 3rd zone.**

SWEET WILLIAM

(Dianthus Barbatus)

A very desirable low-growing, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers.

NEWPORT PINK—Brilliant single salmon-rose. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

SCARLET BEAUTY—Bright scarlet. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

SINGLE MIXED—Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

THALICTRUM

(Meadow Rue)

DIPTEROCARPUM—The finest of all. This hardy perennial is of vigorous growth, 4 to 5 feet high. The dainty rosy purple flowers are brightened by a bunch of conspicuous yellow stamens and produced in graceful sprays from July to September. 2-year clumps. **Each, 35c; 3 for 90c; doz., \$3.00.**

THYMUS

(Thyme)

The Mountain Thymes make a perfect close, fragrant carpet and are a mass of bloom in June and July. Fine for rockwork.

***SERPYLLUM AZORICUS** (Mother of Thyme)—Dense mats of dark green foliage. Rosy lavender flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***SERPYLLUM ALBUM** (White Mountain Thyme)—Dark green foliage and white flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***SERPYLLUM COCCINEUS**—Dark green foliage and crimson flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***SERPYLLUM LANUGINOSUS** (Woolly-Leaved Thyme)—Woolly foliage with reddish pink flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

TRACHELIUM

COERULEUM—A free-flowering perennial producing large cloud-like heads of pale mauve flowers, resembling the Gypsophila; $1\frac{1}{2}$ feet high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

Regarding postage on Perennial Plants see top of page 74.

PERENNIAL PLANTS—Cont'd

TRITOMA

(Red Hot Poker)

Hardy plants with large and broad grassy leaves at the base; the dense spikes of brilliant flowers are borne on long stiff stems during the summer months; withstands drought.

PFITZERI—Orange-scarlet spikes, 3 to 4 feet high; very effective. Large clumps. Each, 40c; 3 for \$1.00.

TROLLIUS

(Globe Flower)

GOLDQUELLE HYBRIDS—A spring or early summer flowering perennial for moist, partially shaded borders. The flowers are globe-shaped, yellow in color on 15- to 24-inch stems and useful for cutting. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.

LEDEBOURI—A magnificent variety with large flowers of rich orange yellow, on 2- to 3-foot stems. Requires moist soil and partial shade. Height, 2 feet. 3-inch pots. Each, 50c; 3 for \$1.35.

VALERIAN

(Centranthus Ruber)

Showy, hardy border plants, producing large corymbs of red or white flowers. They are drought-resisting and remain in bloom for many months; 2 to 3 feet tall. Excellent for the shady border. Crimson, White and Rose. Field-grown plants. Each, 25c; 3 for 60c; doz., \$2.00.

*VERBENA

ERINOIDES—This lovely variety produces a mass of moss-like foliage, spreading over the ground like a carpet, above which are borne heads of purplish blue flowers in great profusion from June until frost. A very desirable rock plant. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

VIOLA

APRICOT—Apricot tinged orange towards the center. From flats. Doz., 35c; postpaid, 50c; 100, \$2.50, postpaid within the 3rd zone.

RADIO—A new variety of a decided lavender-blue, used extensively for cut flowers by the leading local florists. Of extremely free flowering habit. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

VIOLETS

CALIFORNIA—Large, single dark blue. Bare roots. Doz., 50c; postpaid, 65c; 100, \$3.75 postpaid within the 3rd zone.

HALLAWELL'S GIANT—A very desirable long-stemmed, single violet. The flowers are the largest of any variety growing in our nursery garden. For best results plant in a sunny situation. Bare roots. Doz., 60c; postpaid, 75c; 100, \$3.75, postpaid within 3rd zone.

*ZAUSCHNERIA

(California Fuchsia)

MICROPHYLLA—The brightest red colored rock plant. Of trailing habit. 1 to 1½ feet high with trumpet-shaped flowers. A well-drained soil in full sun is essential. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

FRUIT TREES AND SMALL FRUITS

F. O. B. San Francisco

ALL TREES No. 1 GRADE

We make nursery stock shipments by express unless requested otherwise.

GUARANTEE—The Hallawell Seed Company will exercise care to have all stock true to name; nevertheless, it is understood and agreed that should any stock prove untrue to name, the Hallawell Seed Company shall be liable only for the sum paid for the stock proving untrue, and shall not be liable for any greater amount.

Planting and Pruning—Planting may be done from December to March. Always dig large holes for the roots and add some old well-rotted manure. After the tree is set in the hole, work the soil in around the roots and firm with the foot as the hole is filled, leaving the last spadeful or two untrodden. Do not plant when the ground is too wet. Deciduous fruit trees should be pruned back severely after planting, usually 2½ or 3 feet from the ground, leaving a few side branches where necessary, which are cut back to a few inches from the main stem. When the trees have been planted one year, cut back half the preceding summer's growth. Frequent cultivating is necessary.

Note—The 10 rate applies on an assortment of 10 or more trees listed at 60c each F. O. B. San Francisco.

APPLES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

DELICIOUS—Dark red splashed with golden-yellow. Fine-grained and highly flavored. Ripe in November.

ESOPUS-SPITZENBURG—Large, light red; rich, sprightly, vinous flavor. One of the best. November to January.

GRAVENSTEIN—A large, striped, beautiful, roundish apple; of excellent quality, juicy, highly flavored. August.

JONATHAN—Medium to large, conical, striped, mostly red, rich flavor. October to December.

RED ASTRACHAN—Large, roundish, skin deep red; flesh white, juicy and crisp, though rather acid. The best early apple. June and July.

ROME BEAUTY—Large yellow striped with bright red; very handsome; flesh tender, juicy, sprightly. A long keeper. November and December.

STAYMAN'S WINESAP—Large and round; skin yellow; covered with dark red; flesh greenish yellow; firm and sub-acid in flavor. December.

WINTER BANANA—Medium to large golden yellow, usually shaded crimson. Rich sub-acid flavor; begins bearing very young. October to December.

YELLOW BELLFLOWER—Very large, oblong; skin smooth and of pale lemon color; flesh firm but tender, juicy and sub-acid; very productive. November to February.

YELLOW NEWTOWN PIPPIN—Another variety very successfully grown in California. Large; flesh yellow, firm, crisp, juicy. The best winter apple. December.

ALMONDS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

Two or more varieties should be planted together to insure pollination.

I. X. L.—Tree a sturdy, upright grower, with large leaves, nuts large; shells easily, no machine being needed nor is any bleaching necessary; shell soft but perfect. It bears heavily and regularly.

NE PLUS ULTRA—Tree a rapid grower; leaves rather large; a heavy and regular bearer; nuts large and very long in shape; soft shell; hulls freely.

NONPAREIL—Of weeping style of growth, but still forms a beautiful tree. An extraordinary heavy and regular bearer with very thin shell.

APRICOTS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

BLLENHEIM—An excellent variety and in great demand. The trees are early and regular bearers and have an abundance of foliage thoroughly protecting the fruit. Fruit above medium, oval; orange color, with deep yellow, juicy and rich flesh. July.

HEMSKIRKE—Large, roundish; flesh bright orange, rich and juicy; fruit not quite so large as the Moorpark, but bears more regularly. August.

MOORPARK—Very large, deep yellow fruit which is deep red on the sunny side. Highly flavored and the finest of all apricots for eating. Inclined to shy bearing. July.

ROYAL—A very fine apricot, very extensively planted in this State. Of medium size, yellow with red check; immensely productive; an early ripening variety. June.

California customers please include Sales Tax

CHERRIES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BING—Fruit large, dark brown or black; very fine. June.
 BLACK TARTARIAN—Very large, bright black. Late June.
 ENGLISH MORELLO—A red sour "pie cherry." July.
 ROYAL ANN (Napoleon Bigarreau)—Very large, amber in color.
 The favorite white cherry. Late June.

CRAB APPLES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- YELLOW SIBERIAN—Fruit is of large size; golden yellow and borne in clusters. An erect, free grower. Bears very young.
 TRANSCENDENT—Fruit large; golden yellow with red check.

FIGS

Price, 4 to 5 feet, 60c each; \$5.50 per 10.

- CALIFORNIA BLACK—A well-known local variety. Large dark purple, almost black when fully ripe. Makes a good dried fig. Tree grows to a very large size, and gives immense yield.
 WHITE ADRIATIC—Fruit large; skin greenish yellow color; pulp carnation-red. August to October.
 KADOTA—Medium sized, thin white skin; pulp white to pink. One of the best for canning, preserving and pickling.

MULBERRY

Price, 4 to 6 feet, \$1.50 each.

- PERSIAN—Tree of rather slow growth, but bears young and produces the largest and finest fruit of all mulberries. The fruit is black, 1 to 1½ inches long with a fine flavor. Commences to ripen in early summer and bears continually until late fall.

NECTARINES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BOSTON—Large, deep yellow, with a bright blush and deep mottlings of red; flesh yellow, without any red at the stone. Sweet though not rich, with a pleasant and peculiar flavor. Late July.
 GOWER—The earliest variety, large, round; skin pale green overspread with deep red; flesh is white, sweet and juicy. Early July.

ORANGES

Balled 4 to 5 feet, ¾" caliper. \$2.50 each.

- RIVERSIDE WASHINGTON NAVEL—Fruit first-class in every respect; size medium to large, oval, smooth, symmetrical, seedless, pulp fine grained, flavor excellent. A solid, perfect fruit.
 VALENCIA LATE—A vigorous grower, making a handsome tree, early in bearing and very prolific; fruit medium sized, skin thin, light color; flesh deep rich color, fine grained and very juicy. May and June.

LEMONS

Balled 4 to 5 feet, ¾" caliper. \$2.50 each.

- EUREKA—Tree nearly thornless, of rapid growth, and prolific bearer, fruit of the best quality. A general favorite.

LIMES

Balled 4 feet. ⅝" caliper. \$3.00 each.

- BEARSS SEEDLESS—Very large; very juicy with pronounced acidity. Hardy and enormously productive.

POMELOS

(Grape Fruit)

Balled 4 to 5 feet, ¾" caliper. \$2.50 each.

- MARSH'S SEEDLESS—Medium, practically seedless, skin thin and smooth; pulp juicy, of superior flavor, keeps late. A valuable acquisition, its delicious flavor and having no seed should cause it to take the precedence over many other varieties.

PERSIMMON

- HACHIYA—Fruit very large, oblong and pointed; skin bright red and flesh deep yellow. 4 to 6 feet, \$1.25 each.

POMEGRANATES

- WONDERFUL—4 to 5 feet, 60c each; \$5.50 per 10.

QUINCES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- PINEAPPLE—Very fine flavor. Large.

PEACHES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- ALEXANDER—Generally known as the Early Strawberry Peach. Medium size, skin greenish white nearly covered with rich red; flesh white, very juicy, sweet. Early June.
 ELBERTA—Very large, bright yellow with a beautiful red mottled cheek; flesh yellow, juicy and sweet; regular bearer. End of July.
 EARLY CRAWFORD—This is probably the most extensively grown of all peaches. Very large; color yellow, red cheek; flesh yellow, rich, excellent. Very productive. Middle of July.
 HALE'S EARLY—Medium to large, greenish white splashed with red; flesh white, melting, juicy and sweet; adheres partially to the pit. Early July.
 J. H. HALE—Large yellow freestone. Highly colored, almost fuzzless. Flesh tender but firm, of excellent quality. August.
 LATE CRAWFORD—Very large; yellow with dark red cheek; flesh deep yellow, juicy and melting; of exquisite flavor; valuable for canning and drying. Middle to end of August.
 LATE STRAWBERRY—Medium sized freestone; skin marbled red; flesh white, rich and juicy. August.
 MAYFLOWER—The earliest of all peaches. Absolutely red all over with white flesh of excellent quality. June.
 PHILLIP'S CLING—Large yellow; flesh firm and clear yellow. September.
 TUSCAN CLING—Very large, yellow to the pit; very heavy bearer. Middle of July.

PEARS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BARTLETT—There is no occasion to describe this variety, so well known is it. A vigorous and strong grower. Bears heavily; good for shipping and canning. August.
 DOYENNE DU COMICE—Large greenish-yellow shaded with crimson. October.
 SECKEL—Quite small; rich yellowish brown; very sweet and productive. September.
 WINTER NELIS—Medium size, roundish, yellowish green, dotted with russet. Fine flavor. November to January.

PLUMS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- APEX PLUMCOT—A cross between the Apricot and the Plum. The large globular pink and red fruit has a rich aromatic honey-yellow flesh. June.
 BURBANK (Japanese)—Large, yellowish ground, with red cheek; flesh yellow; firm. Late June.
 CLIMAX—Very large, heart shaped; skin thick, firm, deep vermilion-red; flesh yellow and very rich. July.
 DAMSON—Dark purple, tart flavor; excellent for preserves.
 GREEN GAGE—Small, but of the finest quality; round greenish yellow, with brown dots; juicy and sweet. August.
 KELSEY JAPAN—Very large, heart shaped; greenish yellow blotched with red; flesh yellow, firm and of fine quality. September.
 SANTA ROSA—Deep purplish crimson, very large and extremely early. Middle of June.
 SATSUMA—Large; blood-red flesh; of fine flavor.
 YELLOW EGG—Very large; egg-shaped; flesh yellow, rather acid until fully ripe, when it sweetens. Clingstone.

PRUNES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- FRENCH (Petite d'Agen)—This is the prune now grown so extensively and successfully in California for drying purposes; medium-sized; egg-shaped, violet purple; very rich and sugary. Prolific bearer. August.
 GERMAN—Long, oval, and swollen on one side; skin purple, with a thick blue bloom; flesh firm, green, sweet with a peculiarly pleasant flavor. Separates readily from the stone. September.
 SUGAR—An extremely early prune. Very large. Ripens early in August. Skin very tender, at first a light purple, tinted with green, changing at maturity to dark purple, covered with a thick white bloom. Early August.

WALNUTS

- FRANQUETTE—Nut is quite large, of an elongated oval shape and very attractive; kernel full, sweet and of a rich, nutty flavor; a late bloomer. Grafted on California Black Walnut root, 4 to 6 feet, \$1.50 each; \$12.50 per 10.
 PAYNE'S SEEDLING—A large shapely nut; kernel very meaty and rich in flavor. Bears regularly and heavily. Grafted on California Black Walnut root. 4 to 6 feet. \$1.50 each; \$12.50 per 10.

Orders for \$1.00 and over for all items on this page are prepaid within the 4th zone. On orders amounting to less than \$1.00 add 25c to cover cost of postage and packing.

GRAPES

Standard No. 1 grade, 25c each; \$2.00 per 10. Postpaid within 4th zone.

BLACK HAMBURG—Black, very large and oblong. September.

EMPEROR—Deep rose colored, covered with bloom.

MARAVILLE DE MALAGA (Red Malaga)—Red. September. Suitable for arbors.

OLIVETTE BLANCHE—Greenish amber, large and elongated. September.

MUSCAT—Pale amber. August-September.

THOMPSON'S SEEDLESS—Yellow. August. Suitable for arbors.

CONCORD—Black. August. Arbor variety.

ISABELLA REGIA—Bluish black. September. Arbor variety.

NIAGARA—Pale yellow. September. Arbor variety.

STRAWBERRIES

To cultivate the strawberry for family use we recommend planting in beds 4 feet wide, with an alley 2 feet wide between the beds. These beds will accommodate 3 rows of plants, which may stand 15 inches apart each way, and the outside row 9 inches from the alley. To prepare the soil, spade to a good depth and add manure or ground bone. To obtain large, highly flavored berries pinch off the runners as they appear. Early planting is preferable. Write for quantity prices.

BANNER—One of the best and most popular strawberries. In mild climates it produces fruit from March to December. Our plants are the "Genuine Banner." Extra large, well rooted plants, 35c per doz.; \$2.50 per 100.

MAGOON—Fine large sweet berries, deep red to the center. Bears heavily and continuously through a long season. 35c per dozen; \$2.50 per 100.

MARSHALL—Of enormous size, blood red color, rich aromatic flavor. 35c per dozen; \$2.50 per 100.

CURRANTS

2-year-old No. 1 plants, 25c each; 5 for \$1.00.

Plant Currants and Gooseberries in rows 5 to 6 feet apart and 2 to 3 feet apart in the row. Trim out the old wood as it begins to decline and shorten the young shoots in spring as may be desired. A good soil is required which must be kept rich and well worked. Sprinkle wood ashes around the roots occasionally to keep the borers away.

CHERRY CURRANT—Very large, deep red.

GOOSEBERRIES

2-year-old No. 1 plants, 25c each; 5 for \$1.00.

CHAMPION—Berries large and brownish red; very sweet and fine for table use and pies. Strong grower; prolific bearer.

ASPARAGUS

Extra Selected Roots, 35c per dozen; \$2.50 per 100. Postpaid within the 4th zone.

MARY WASHINGTON—Large dark green shoots with purple tips.

PALMETTO—Large deep green shoots, very early and prolific.

Note—If interested in purchasing roots by the thousand for acreage planting, please write for prices.

BERRIES

Plant trellis varieties 6 to 8 feet apart each way. (Boysen 8 feet.) Provide a trellis 4 to 5 feet high. Vines may be left on the ground the first season and trellised any time after the canes are long enough. To make picking easy keep new growth cut off at the ground after the first season. When the crop is picked cut off all old wood, back to the ground, and later, train new growth on the trellis. In the spring, spray with a Dry Lime Sulphur solution. For best results, irrigate thoroughly at regular intervals (about once a week during fruiting season). Keep all berries well fertilized.

TRELLIS VARIETIES

BOYSEN BERRY—This berry will be the pride of your garden. It is a very large, dark red berry, highly flavored and contains few seeds. Excellent for canning and for shipping. We consider it the best all purpose berry on the market today. Strong tip roots 25c each; 10 for \$2.00, prepaid within the 4th zone.

YOUNGBERRY—Large, luscious berries which are rich, sweet and juicy, yet firm and with but few seeds. It produces an abundance of fruit, is early and of excellent quality. Next to Boysen, this seems to be the best one in its class. Strong tip roots 20c each; 5 for 90c, prepaid within the 4th zone.

LOGANBERRY (Raspberry-Blackberry)—The fruit is often an inch and a quarter long, dark red, the shape of a blackberry, the color of a raspberry and the flavor of both. The vines are strong growers and the yield is exceeding heavy. Strong tip roots, 15c each; 6 for 75c, prepaid within the 4th zone.

MAMMOTH BLACKBERRY—The fruit is very large, some specimens measuring from 2¼ to 2½ inches long; extra fine flavor. Enormously productive and quite early. Strong tip roots 15c each; 6 for 75c, prepaid within the 4th zone.

NEW KOSMO BLACKBERRY (Patent)—The large berries are 1½ inches in length, jet black, very sweet and juicy. The seeds and core are almost non-existent; heavy bearer. Strong tip roots 20c each; 5 for 90c; prepaid within the 4th zone.

RASPBERRIES

Plant in rows 5 to 6 feet apart, 2 to 4 feet in the row. After the fruit season, cut out all the old wood which bore the last crop of fruit. Pinch the vigorous young shoots several times during the summer. They will then branch and grow stout enough to stand without staking.

LLOYD GEORGE—A new English variety, the largest red raspberry grown. It bears a good spring crop of luscious, juicy fruit with very small seeds, and a second crop in September-October. A most desirable berry for home use and for local market, but of too fine quality to be a good shipper. Fertilize and keep well watered. Each, 35c; 3 for \$1.00; doz., \$3.00.

RANIERE (St. Regis)—The most popular everbearing red raspberry. It commences to bear a crop of large bright crimson berries of the finest quality in June and begins again in September and bears continuously until Christmas. Strong roots, 3 for 50c; 6 for 90c; \$1.65 per dozen.

BLACK CAP—Medium sized glossy black fruit, 25c each; \$2.00 per 10.

RHUBARB

CHERRY GIANT—The most popular rhubarb grown today. It is less acid and more highly flavored than other sorts. The bright cherry-red stems are very large and so tender they do not require peeling when cooked. Four plants well cared for will supply sufficient rhubarb for the average family. It does not come true from seed. Plant 4 feet apart. Strong, eye roots 35c each; 3 roots, \$1.00; 10 roots, \$2.50, postpaid within the 4th zone.

DAHLIAS

Although Dahlias are easily grown in any good garden soil they respond readily to good cultivation. Prepare the soil by digging 12 to 18 inches deep and working in a moderate amount of well rotted manure or commercial fertilizer. Plant the bulbs $2\frac{1}{2}$ to 3 feet apart at a depth of 5 or 6 inches. Give them just enough water when above ground to keep them growing slowly. Apply fertilizers and water in quantities only after the plant begins to bud. Dahlias may be planted from March to July, preferably in May.



Pompon Dahlias

MINIATURE DAHLIAS

Miniatures are the same type as the large varieties but measure less than 3 inches in diameter. They are very dainty, bloom profusely and have splendid keeping qualities.

ANNE (D.)—Old rose tipped gold. 50c each.

BABY ROYAL (C.)—Salmon-pink shaded apricot. 75c each.

CORONNE (D.)—Pure white. 75c each.

ELIZABETH PAPE (D.)—Rosy salmon-pink. 35c each.

IRENE (D.)—Old rose. 35c each.

LITTLE JEWEL (D.)—Clear delicate pink. 35c each.

RHODA (H. C.)—Glowing orange-rose. 35c each.

SANHICAN'S SWEETHEART (C.)—Pale apricot, suffused shrimp pink. 75c each.

Collection of one each of the above 8 sorts, \$3.65.

Orders for Dahlias amounting to \$1.00 and over are prepaid within the fourth zone. Add 15c to cover postage and handling charges on orders for Dahlias for less than \$1.00.

POMPON DAHLIAS

This class produces small double flowers in great profusion. Splendid for cutting, excellent keeping qualities.

25c each; \$2.50 per dozen.

(6 for \$1.35)

AIMEE—Bronze, small blossoms with long stems.

AMBER QUEEN—Deep amber.

ANNIE DONCASTER—Yellow base, lavender shading.

ATOM—Orange, very small, free bloomer.

BANTAM—Brownish red.

BEBE—Pink and mauve, white ground.

BETTY MOORE—Golden yellow lightly tinted red.

CANDY KID—Coral-pink shading to lavender.

CHARMING—Lavender-pink.

DIMPLES—Golden apricot.

GIRLIE—Pinkish mauve.

GLOW—Coral-rose.

GOLDSLOCKS—Pure gold.

HELEN ANITA—Lavender with white center.

HONEY—Light yellow with suffusion of red.

JOHNNY—Small deep maroon-crimson.

LITTLE DAVID—Pure orange, perfect form.

MARY MUNNS—Purple.

PEGGY ANN—Yellow, edged brownish red.

ROSA WILMOUTH—Rose-pink.

TOPSY—Dark maroon.

YELLOW GEM—A fine yellow sort.

35c each; \$3.50 per dozen.

(6 for \$1.90)

ANNA VON SCHWERIN—Shell-pink blending to a white center, very dainty.

CARDINAL—Cardinal red.

DANDY—Light orange.

DEE DEE—Pure lavender, dainty and small.

ELIZABETH ANN—Peach rose and gold.

JOE FETTE—Pure white.

LITTLE BEESWING—Golden yellow, heavily tipped cherry-red; very fine.

LITTLE SUNSHINE—Light gold.

MINNIE MELLOWS—Orchid rose, flushed deep orchid.

NANCY—Bronze.

SALLY—Deep cream, flushed pink.

SONNY—Pinkish cinnamon, long stemmed.

LARGE FLOWERED DAHLIAS

(C.) denotes Cactus type; (H. C.) Hybrid Cactus; (D.) Decorative.

AL KORAN (D.)—Bright yellow deepening to amber. Large flowers on tall strong stems. **50c each.**

AMBASSADOR (C.)—Soft yellow suffused salmon-pink, large flowers on strong stems. **50c each.**

AMERICAN TRIUMPH (C.)—Large bright red flowers on strong stems. **50c each.**

AMUN RA (D.)—A decorative of immense size and a beautiful shade of coppery-orange. The stems are long and stiff and the flowers have splendid keeping qualities. **35c each.**

BALLET GIRL (C.)—Very attractive. Orange, splashed and tipped with white, perfect formation. **50c each.**

CAMEO (D.)—A shading of old rose and salmon, with golden sheen. Good stems. **\$1.00 each.**

CAMPFIRE GLOW (C.)—Bright crimson, large flowers on strong stems. **50c each.**

CHAMPAGNE (D.)—Color is a golden champagne with chamois shadings. Immense blooms with good stems. **50c each.**

DR. TEVIS (D.)—A beautiful shade of soft salmon-rose, suffused with old gold shading to a golden-apricot center. The immense flowers are held erect on strong, long stems. **35c each.**

ELLINOR VANDERVEER (D.)—Large flowers, satiny rose-pink, good stems. **35c each.**

FAITH GARIBALDI (D.)—Silvery pink, very large perfect flowers. **50c each.**

GOLDEN WEST (H. C.)—Old gold color. Fine stems and good keeping flowers. **35c each.**

HATHOR (D.)—Rich, glowing flame color. Very large flowers on strong stems. **75c each.**

JANE COWL (D.)—Glistening bronzy buff and old gold. Very large flowers held erect on long stems. **50c each.**

JEAN CHAZOT (C.)—Golden bronze suffused Nasturtium-red. **50c each.**

JERSEY BEACON (D.)—Chinese scarlet with lighter reverse. **50c each.**

JERSEY BEAUTY (D.)—A perfect bloom of a salmon-rose color carried on a long stiff stem. **50c each.**

KITTY DUNLAP (D.)—It is of the delightful shade of the American Beauty rose. The formation of the flower is perfect, with long stiff stems. **50c each.**



Cactus Dahlia



Decorative Dahlia

LA FAVORITA (H. C.)—Brilliant orange-salmon. **50c each.**

LILLIAN SHERIDAN (H. C.)—Orange shaded yellow, with gold tipped petals. **50c each.**

MISS CALIFORNIA (D.)—Large, bright rose flowers with mauve tint. Good stem. **50c each.**

MONMOUTH CHAMPION (D.)—Brilliant orange-scarlet flowers of very large size on strong stems. **50c each.**

MRS. CARL SALBACH (D.)—The best lavender-pink; very large flowers on long stiff stems. **35c each.**

PRIDE OF CALIFORNIA (D.)—This is the best red decorative for all purposes. Long stiff stems and splendid keeping qualities when cut. **35c each.**

SATAN (C.)—Flame red with a touch of gold at the center. A very beautiful and popular dahlia. **\$1.00 each.**

SALBACH'S WHITE (D.)—Pure white with fine strong stems. **50c each.**

SEAL'S CALIFORNIAN (D.)—Bright golden yellow with a suffusion of red-amber. Large flowers with perfect stems. **50c each.**

SUSAN G. TEVIS (D.)—Deep lilac with a bluish sheen. Very large flowers on erect stems. **50c each.**

TOMMY ATKINS (D.)—Flaming scarlet flowers on long stiff stems. **50c each.**

TREASURE ISLAND (D.)—Bright apricot with gold and rose suffusion; good stem. **50c each.**

COLLECTION OF DAHLIAS

6 varieties listed at 35c each for.....	\$1.90
12 varieties listed at 35c each for.....	3.50
6 varieties listed at 50c each for.....	2.75
12 varieties listed at 50c each for.....	5.00
6 varieties listed at 75c each for.....	4.00
12 varieties listed at 75c each for.....	7.50

Orders for Dahlias amounting to \$1.00 and over are prepaid within the 4th zone. Add 15c to cover cost of postage and packing on orders for Dahlias for less than \$1.00.

California customers please include Sales Tax

GLADIOLUS

Six of a kind at the dozen rate; 50 at the hundred rate.
(Postpaid within Fourth Zone)

The culture of the Gladiolus is one of the easiest. Set the bulbs about 3 inches deep and 7 or 8 inches apart each way. Any good garden soil will make strong plants and good bloom, but for the finest results use manure and plenty of water. After the flowers are past, dig the bulbs up and dry them under cover in the open air for a month and then store in dry soil till next winter, when they may be reset. From December to April are the months in which to plant Gladiolus.

GOLDEN GODDESS

U. S. Plant Patent No. 77

A gold medal winner scoring 95 points with the American Gladiolus Society. Reports indicate that this is an exceptional gladiolus. The placement and habit of growth are ideal. The spikes are large with many flowers open at one time. The color is described as a rich golden yellow. No. 1 bulbs, \$1.00 each; 3 for \$2.50.

Select Named Sorts

BETTY NUTHALL—Beautiful orange-pink, with soft yellow throat and a light feathering of carmine. Eight or more blossoms open at one time on tall, strong stems. 10c each; 3 for 20c; 60c per doz.; 25 for \$1.15; \$4.00 per 100.

COMMANDER KOEHL: Huge spikes with large, wide open blooms of brilliant, deep scarlet-red, with no markings or blotches. Six to seven florets open at one time. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

CORYPHEE—A beautiful clear wax-like pink; florets large, round and well formed; tall. 10c each; 3 for 20c; 60c per doz.; 25 for \$1.15; \$4.00 per 100.

DR. F. E. BENNETT—Very large, brilliant flame-scarlet. Many open at one time on tall, strong stems. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

EMIL AUBRUN—A brilliant tone of coppery bronze with large cherry-red blotch; a most unusual shade. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

GAY HUSSAR—A large glowing orange-red, shading to strawberry-pink; lower petals heavily stippled scarlet. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

GOLDEN DREAM—A clear, deep golden yellow, of splendid substance; very tall. Many open at one time. 10c each; 3 for 20c; 60c per doz.; 25 for \$1.15; \$4.00 per 100.

GRAND SLAM—A sport from Pfitzer's Triumph which retains the size and growing habits of the latter, but is salmon-orange in color. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

MAMMOTH WHITE—Immense pure white; five or six florets open at one time; tall spike. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

MARMORA—A most unusual shade of lavender-gray with a pale purplish blotch. Impressive spikes with eight to ten large blossoms open at one time. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

MINUET—Pure clear lavender of good size and heavy substance. 10c each; 3 for 20c; 60c per doz.; 25 for \$1.15; \$4.00 per 100.

MOTHER MACHREE—Lavender-gray with edges of petals over-laid salmon-pink. Six to eight large blossoms open at one time. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

MRS. FRANK PENDLETON—A beautiful pink with a conspicuous blood-red blotch in the throat on the lower petals. Flowers are of the largest size and are borne on strong spikes. 10c each; 3 for 20c; 60c per doz.; 25 for \$1.15; \$4.00 per 100.

MRS. LEON DOUGLASS—Immense blooms of luminous coral-rose marked with vivid splashes of rich ruby, very tall spikes and an exceptionally strong grower. 10c each; 3 for 20c; 60c per doz.; 25 for \$1.15; \$4.00 per 100.

MRS. VAN KONYNENBURG—Beautiful lavender-blue; large and of splendid substance. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

PFITZER'S TRIUMPH—Enormous flowers of bright flaming salmon with a cherry blotch in the throat. A most striking variety. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

PICARDY—A most sensational flower of delicate apricot-pink. Many extremely large florets open at one time. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.



Gladiolus, Salbach's Pink

PRINCE OF WALES—Flowers are large and well placed, and the color is a beautiful light salmon. 8c each; 3 for 15c; 50c per doz.; 25 for \$1.00; \$3.50 per 100.

PRIMROSE PRINCESS—Very large primrose-yellow. Five to seven blossoms open at one time. Tall with long flower spike. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

SALBACH'S ORCHID—Large wide open lavender-pink of heavy substance and fine placement. As many as ten blooms open at one time. 15c each; 3 for 30c; \$1.00 per doz.; 25 for \$1.75; \$6.00 per 100.

SALBACH'S PINK—Large wide open glowing geranium-pink with soft carmine tongue and throat markings. Long, graceful flower spikes with eight to sixteen open at one time. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

VEILCHENBLAU—A large flowering clear deep violet-blue. Tall and vigorous. 10c each; 3 for 25c; 75c per doz.; 25 for \$1.35; \$4.50 per 100.

Collection of one of each of the above 22 varieties for \$2.00. Golden Goddess not included.

RAINBOW MIXTURE—A mixture of large flowering gladiolus in a good variety of colors, 50c per doz.; \$3.50 per 100.

EXTRA SELECT MIXTURE—Made up from best named sorts. 60c per doz.; \$1.15 per 25; \$4.00 per 100.

MISCELLANEOUS BULBS

WE GENERALLY HAVE THE FOLLOWING VARIETIES
IN STOCK FROM DECEMBER TO FEBRUARY

Postpaid within the fourth zone, except on orders for less than
\$1.00 a handling charge of 15c is to be included.

AMARYLLIS (Hippeastrum)

VITTATA HYBRIDS—This is pre-eminently a window garden
plant producing under simplest conditions, one or two spikes
which are crowned with from 3 to 6 gigantic blooms, ranging
in color from pure white grounds with varied markings of
rose or red to self colors as crimson, scarlet, cerise, etc. We
can supply large strong bulbs in choicest mixture only. 60c
each; \$6.50 per doz.

BEGONIA

TUBEROUS ROOTED

With the introduction of many new, large flowered sorts,
the Begonia has become one of the most popular flowers for
pot plants, and for bedding in partial shade. Many gorgeous
and delightful colors are now available from the best hy-
bridized seed.

Our Begonia tubers are grown under normal conditions and
without over-fertilization or forcing. Uniform and satisfac-
tory results may be expected from them. Cultural leaflet on
request.

SINGLE FLOWERED

Blood Red, Burnt Orange, Deep Pink, Light Pink, Salmon,
White, Yellow. Large Tubers, 20c each; \$2.00 per doz.; \$15.00
per 100.

SINGLE FRILLED

Crimson, Orange, Deep Pink, Light Pink, Salmon, White, Yel-
low. Large Tubers, 20c each; \$2.00 per doz.; \$15.00 per 100.

DOUBLE CAMELLIA TYPE

Apricot, Blood Red, Copper, Deep Pink, Light Pink, Orange,
White, Yellow. Large Tubers, 20c each; \$2.00 per doz.; \$15.00
per 100. Smaller Tubers, 15c each; \$1.50 per doz.; \$10.00 per 100.

CRESTED OR BEARDED

In assorted colors only. 25c each; \$2.50 per doz.

TRAILING DOUBLE BEGONIAS

For hanging baskets, wall pockets and pots. Apricot, Blood Red,
Orange, Rose, White, Yellow. 25c each; \$2.50 per dozen.
Any of the above 6 at the dozen rate; 50 at 100 rate.



Begonia, Single Frilled



Tigridia (Tiger Flower)

TIGRIDIA (Tiger Flower)

Gorgeously colored summer flowering bulbs. The blossoms
are short-lived but are produced continuously during the sum-
mer. Plant 2 to 3 inches deep and 4 to 8 inches apart. Place sand
under the bulb to afford drainage and plant in a sunny position.

Bright Red, Orange, Yellow, Rose-Pink. 15c each; \$1.50 per
doz.

Pure White, (New). 25c each; \$2.50 per doz.

GLOXINIA

Beautiful pot plants for greenhouse culture. The magnificent
tube-shaped flowers measure 3 to 4 inches across.

Crimson-Scarlet, Pink, Violet, Deep Violet with white edge,
Scarlet with white border.

Any of the above: 30c each; \$3.00 per doz.

LILIES

The following varieties are benefited by shade about the roots
but do not do well with shade about their heads, so should be
planted among fairly dwarf growing shrubs or plants. Plant
bulbs nine inches deep and about one foot apart. Water only
lightly until they are well rooted but liberally when they are
about to bloom. Keep free from aphids or green fly at all times.

AURATUM—The grandest of all hardy lilies, with large grace-
ful flowers of a delicate ivory-white color thickly studded with
chocolate-crimson spots, and a bright golden band through the
center of each petal. 20c each; \$2.00 per doz. Extra large, 25c
each; \$2.50 per doz.

AURATUM PLATYPHYLLUM—Similar to Auratum but larger
and not so many blooms. 30c each; \$3.00 per doz. Extra large,
35c each; \$3.50 per doz.

HENRYII (The Yellow Speciosum) — The flowers are a rich
apricot-yellow with a few brown spots; grows 3 to 5 feet high;
very hardy and free flowering. 20c each; \$2.00 per doz.

SPECIOSUM RUBRUM. (Pink Tiger Lily)—White, shaded rose
and spotted deep red. 20c each; \$2.00 per doz.

SPECIOSUM RUBRUM MAGNIFICUM—This variety is similar
to the Rubrum, but is deeper crimson. 20c each; \$2.00 per doz.

TIGRINUM GIGANTEUM. (Improved Tiger Lily) — Orange,
spotted black. 15c each; \$1.50 per doz.

LILY OF THE VALLEY—Pure white, bell-shaped, fragrant
flowers with pale green foliage. Potting and Forcing type,
\$1.50 per doz.; \$10.00 per 100.

YELLOW CALLA LILY (Elliottiana)

The true yellow-flowered Calla. The flowers are bright yellow
and the foliage dark green, spotted white. 25c each; \$2.50 per
doz. Extra select. 35c each; \$3.50 per doz.

SPRAYING

ACME

MATERIALS

Postage Extra—See Parcel Post Rates on page 54.

ACME APHIS SPRAY



Black Leaf 40 combined with Fish Oil Soap makes this the finest of insecticides for the control of aphids, thrip, leafhopper, and many other sucking insects preying on the plants in your garden. Simple to use—just squeeze direct into the sprayer from the handy tube, shake sprayer, then spray. 3 oz. tube, 35c; 12 oz. can, \$1.00; 2½ lb. can, \$2.50.

ACME BAIT-M

A high grade prepared insecticide bait control for snails, slugs, cutworms, and grasshoppers. Scatter on the ground around the plants to be protected. Do not apply on the plants. 1½ lb. carton, 25c; 4 lb. carton, 60c.

ACME GARDEN GUARD



A non-poisonous insecticide and fungicide for use as a dust. Controls all sucking and chewing insects, red spiders, corn-ear worms, beetles, squash bugs and ants. 1 lb. pkg. with sifter top, 40c; 4 lb. bag, 85c.

ACME KOPPER KING

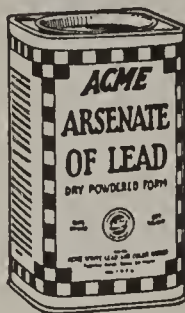
Fungicide used for the same purposes as Bordeaux Mixture. A basic copper sulphate with 4 times the strength of Bordeaux Mixture, but which can be used without danger of burning foliage. One pound makes 25 gallons of spray. 1 lb., 30c; 4 lb. bag, 75c.

ACME DRY LIME SULPHUR



During the dormant season spray peaches, plums, grapes, dormant shrubs, etc., for control of leaf curl, oozing sap, twig borer, and all fungus. Also effective as a dormant spray for control of scale on deciduous trees and shrubs; and roses. Use 10 to 12 tablespoonfuls to 1 gallon of water and apply plentifully from tips of branches to the ground, including the trunk. Two applications during the winter are very beneficial. 1 lb., 35c; 5 lbs., \$1.45; 12½ lb. bag, \$2.00.

ACME ARSENATE OF LEAD



Controls leaf eating insects such as Rose Worms, Green Worms, and Cherry or Pear Slugs. Use 2 heaping tablespoons to a gallon of water and spray at 10 to 15 day intervals. Spray also with the same strength solution for the control of the Codlin Moth, which is the cause of wormy apples; the first spraying as soon as the blossoms fall and again 3 and 10 weeks after that time. For dusting, mix 1 part with 5 parts of lime. 1 lb., 30c; 4 lb. bag, 75c.

ACME CALCIUM ARSENATE

Used principally for mixing with bran for the control of snails and slugs. 1 lb., 25c; 4 lb. bag, 60c.

ACME EMO

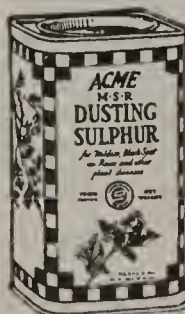


A high grade free flowing oil emulsion for use on nursery stock, trees, and shrubs, to control scale, mealy bug, red spider, and mites. Spray at 15-day intervals until control is effected, using 6 to 8 tablespoons to a gallon of water. 8 ozs., 30c; pint, 50c; quart, 75c; gallon, \$2.00; 5 gallons, \$5.00.

ACME SPRAY SOAP

A refined fish oil soap which is much less likely to injure foliage than ordinary soap. Can be used alone in the control of aphids and certain other sucking insects, or combined with nicotine sulphate. May also be used as the emulsifying agent in oil sprays. 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

ACME DUSTING SULPHUR



An improved, finely powdered sulphur packed in a sifter-top can for convenient use in controlling mildew, leaf spot, black spot, rust, and red spider. Specially prepared to prevent lumping, and to make it more adhesive. 3 lb. carton, 35c.

ACME BORDEAUX MIXTURE



To prevent and control mildew, blight, pear scab and other fungus ailments. Spray young tomato plants with Bordeaux to assist in the prevention of tomato blight, also apply solution to roots of tomato plants in advanced stages of blight. It does not burn the foliage, and may be used as a spray during the growing season without injury to the plants. 1 lb., 30c; 4 lb. bag, 75c.

ACME DAWG-GONE

Repels dogs—keeps them away from trees, shrubs, and other places. Suspend the tube from the shrub with the cap and cork removed, and the slowly escaping odor will keep the dogs away. It is necessary to use but one tube to a group of shrubs unless a specimen is standing alone. Effective for several weeks regardless of weather. Tubes, 25c each.

ACME NIK-EMO



An improved general garden spray combining oil emulsion, nicotine in its most active form, and whale oil soap. Controls aphids, mealy bug, scale, red spider, thrip, white fly, rust mites, and mildew. Use 4 to 8 tablespoons to a gallon of water. 4½ ozs., 35c; pint, 75c; quart, \$1.15; gallon, \$2.75.

ACME PARIS GREEN

A powerful and quick acting insecticide, used in preparing poison baits for the control of grasshoppers, cutworms, and sow bugs. 1 lb., 50c; 5 lb. carton, \$2.25.

ACME WEED KILLER



A quick acting arsenical weed killer for destroying weeds and all plant life on driveways, tennis courts, etc. No plant life will grow for several years on treated areas. Pint, 40c; Quart, 65c; Gallon, \$1.75.

INSECTICIDES AND FUNGICIDES

General List

Insecticides are quoted f. o. b. San Francisco, Calif., and prices are subject to change without notice. All items are mailable unless noted otherwise. Unavailable items will be shipped by express.

ANT POWDER (Antrol)—An effective way of destroying ants and silver fish by dusting powder on their trails. 1¼ oz. shaker top can, 15c; 3 oz. shaker top can, 25c.

ANTROL—Small glass containers, partially filled with a special formula of syrup. Place these at intervals of about 15 feet, outside, around the house, in the garden and on ant trails wherever they appear. Worker ants carry the syrup to the nest and the colony is destroyed. Wash and refill the containers with fresh syrup once a month. Ready Filled Set—Antrol Ant Killer, 10c each, 40c per set of four. Shipping weight, 1 lb.



Antrol Syrup—4 oz. bottle, 20c; pint, 50c. Shipping weight, 2¼ lbs. **Quart**, 90c. Shipping weight, 4½ lbs. **Gallon**, \$2.75. Shipping weight, 12 lbs. **Postage extra**. See postage rates inside front cover.

Glass Containers—10c each, \$1.00 per doz. Shipping weight, 1 doz., 2 lbs.

APPLE BAIT—A poison bait for the control of ground beetles and earwigs. 5 lbs., 75c.

BARFOOT GARDEN INSECTICIDE—A non-poisonous spray especially recommended for the control of Gladiolus Thrips. Also controls aphids, thrips, beetles, red spider, rose and pear slugs and many kinds of worms. Use 1 teaspoonful to 1 gallon of water. 1½ ozs., 50c; 1 pint, \$2.50; gallon, \$15.00.

"BLACK LEAF 40"—A concentrated nicotine solution for aphids and thrips. Most effective when mixed with whale oil soap. 1 oz. bottle, 35c; 5 oz. bottle, \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60.

BORDELO—For leaf spot and mildew on roses and other plants; leaves no stains. Spray before disease starts, using 8 tablespoons to a gallon of water. 6 ozs., 35c; pint, 60c; quart, \$1.00.

CYANOGLAS—For destroying gophers, moles, and wire worms. 1 lb., 75c; 5 lbs., \$2.50. (Unavailable.)

EVER GREEN (New)—A highly effective, non-poisonous spray for aphids, thrips, mealy bug, white fly, beetles, cabbage worms and many other insects. One oz. bottle, 35c; 6-oz. can, \$1.00; 16-oz. can, \$2.00; 1-gal. can, \$11.00.

GARDEN CALTOX—For the control of diabrotica beetles. This beetle is controlled readily by dusting the plants thoroughly once or twice with this dust. Also controls other chewing insects. 6 ozs., 35c; 1 lb., 75c.

IRON OXIDE (Metco)—Specially prepared for the control of snails and slugs. Destroys by contact and is non-poisonous. 5 lbs., 35c; 10 lbs., 65c; 20 lbs., \$1.15; 100 lbs., \$3.75.

LETHANE 440—A most effective contact spray for control of all sucking insects, mealy bug, white fly, aphids, scale, thrips, red spider, etc. Also kills the eggs. May be combined with most other insecticides without injury. Best results are obtained when used in combination also with Lethane Spreader. Excellent for greenhouse use. 2 ozs., 35c; 6 ozs., \$1.00; pint, \$2.00.

LETHANE SPREADER—A chemical for combining with Lethane 440 or other insecticides for a more uniform control. **Quart**, 75c; **gallon**, \$2.00.

LIME HYDRATED—10-lb. package, 35c; 50 lbs., \$1.00.

LIME and SULPHUR ("Orchard Brand")—Kills San Jose scale, bark lice, etc. Apply when trees are dormant before the buds show green at the tips in spring. One gallon makes 7 gallons of spray. 1-qt. can, 30c; 1-gal. can, 60c; 5-gal. cans, \$2.00. (Unavailable.)

NICO-FUME TOBACCO PAPER—Strongly saturated with nicotine. Merely suspend from bench and light lower end. One sheet is necessary to treat 2,000 cubic feet. Air-tight dated can of 24 sheets, \$1.25, postpaid, \$1.35; 144 sheets, \$4.50, postpaid, \$4.65.

PARA-DICHLORO-BENZENE—For Peach Tree Borer which attacks roots of nearly all stone fruits. Apply 1 oz. per tree in fall or spring. Circular sent with each tin or on request. 1 lb., 60c.

POMO-GREEN WITH NICOTINE—A combined insecticide and fungicide, for the control of black spot and mildew on roses and flowering plants; kills both leaf eating insects and aphids. This very fine powder is leaf-green and is never unsightly on plants. May be dusted directly on plant or mixed with water and sprayed. 1 lb., 75c; 5 lbs., \$3.00.

PESTEX—A meal poison for the control of snails, slugs and cut worms. 2 lbs., 35c; 5 lbs., 75c; 15 lbs., \$1.95.

QUA-SUL—A sulphur carbon combination. A good remedy for fungoid diseases. 4 oz. bottle, 25c; 8-oz. bottle, 40c; 1 quart, \$1.00; 1-gal. can, \$3.50.

RED ARROW—A highly effective, non-poisonous spray for aphids, red spider, mealy bug and many other insects. 1 oz. bottle, 35c; 4-oz. bottle, \$1.00; 1 pint, \$2.50.

SEMESAN (Du Pont)—A mercuric disinfectant for the control of diseases of seeds, bulbs, roots and tubers, also for damping off control. For treating brown patch drench the lawn with a solution of 1 level tablespoonful to 1 gallon of water or 1 lb. to 48 gallons. 2 ozs., 50c; 1 lb., \$2.50; 5 lbs., \$11.75.

SNAROL—For the control of snails, cutworms, grasshoppers, etc. Snarol is a ready prepared meal that you simply broadcast on the ground under the vegetation. The pests eat the meal and are quickly destroyed.



Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen. 1½ lb. package, 25c; 4 lb. package, 60c; 15 lb. bag, \$1.95; 50 lb. bag, \$4.50. **Postage extra**.

SOW BUG CONTROL—The most effective material for killing these pests. It is a dry powder which must be scattered over fairly dry ground, near but away from the plants. As it dissolves in water it is necessary to refrain from watering for 24 hours after applying. 1 lb., 50c; 5 lbs., \$2.00.

TOBACCO DUST—A very fine grade which contains over ¾ of 1 per cent nicotine. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 100 lbs., \$7.00.

TREE TANGLEFOOT—A sticky substance applied directly to bark of trees for protecting them against ants and climbing insect pests. One application remains sticky on the trees for three months. Easily applied. One pound will spread 8 feet long by 5 inches wide. 6 ozs., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.65.

VAPORITE—A non-poisonous insecticide which when well mixed with the soil gives off a vapor which destroys and repels cut worms, wire worms and all other insects in the soil. Broadcast and dig in 1 lb. to every 50 square feet. 1-lb. to 9-lb. lots at 25c per lb.; 10-lb. to 24-lb. lots at 23c per lb. Prices on larger quantities on application. (Unavailable.)

VOLCK "NURSERY"—A penetrating oil spray for the control of mealy bugs, scale insects, white flies, rust mites and red spiders. **Pint**, 50c; makes 4 gallons of spray; **quart**, 75c; **gallon**, \$2.00; 5 gallons, \$5.00.

VOLCK "GARDEN"—A combination spray containing Volck, nicotine and soap for the control of mealy bug, scale, red spider, white fly, aphids and their eggs and mildew. 3½ ozs., 35c; pint, 85c; quart, \$1.25; gallon, \$3.00.

WHALE OIL LIQUID SOAP (Mapco)—6 ozs., 25c; pint, 35c; quart, 50c; ½ gallon, 90c; gallon, \$1.50.

WORM ERADICATOR or KILLER—Drives angle worms out of the ground and kills them. Is harmless to vegetation, being somewhat of a fertilizer. Use 10 lbs. per 180 square feet. 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.

WEED KILLERS

ACME WEED KILLER—A quick acting arsenical weed killer for destroying weeds and all plant life on driveways, tennis courts, etc. No plant life will grow for several years on treated areas. **Pint**, 40c; **Quart**, 65c; **Gallon**, \$1.75.

ORTHO WEED KILLER—A liquid chemical for killing all types of annual weeds and grasses in paths, gutters, etc. Dilute 1 part to 50 parts of water. **Pint**, 50c; **quart**, 75c; **gallon**, \$2.00.

PENTOX—Kills morning glory and certain other perennial weeds. Application should be made when plants are matured. A liquid chemical which is diluted at the rate of 1 part to 50 parts of water and sprayed on the plant. One-half gallon will cover an area of 800 square feet. Dandelions, plantain, etc., in lawns can be killed by placing a few drops of Pentox diluted 1 part to 10 parts of water, in the center of each plant. ½ gallon, \$2.00. (Unavailable.)

Add postage to mailable items—See rates on page 54.

SPRAYERS

Prices F. O. B. San Francisco except where stated, and subject to change without notice
(Articles marked postpaid include delivery within the 3rd zone)

HAND SPRAYERS

BROWN'S CONTINUOUS SPRAYER No. 26D—Brass pump, copper-bronze tank. Throws spray uninterruptedly by a few strokes. \$1.50 each; \$1.60 postpaid.

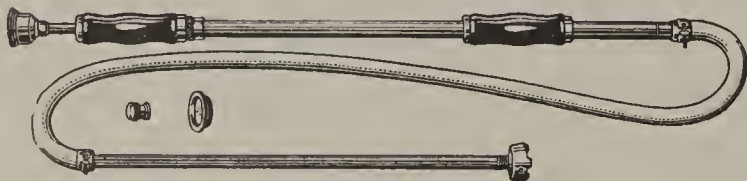


Brown's Continuous Sprayer

BROWN'S CONTINUOUS No. 26BG—Tin pump with brass cone, jar cap and glass reservoir. \$1.15 each; \$1.25 postpaid.

BROWN'S No. 16 SENIOR—Quart capacity, glass jar. 45c each; 55c postpaid.

BROWN'S No. 5 "TROMBONE" SPRAYER



THE DOUBLE ACTION HIGH-PRESSURE SPRAYER

Use with any pail or bucket

BROWN'S No. 5 SPRAYER is generally acknowledged to be the most powerful pump of this type manufactured; generates a pressure of 200 lbs. with ease. Throws continuous sprays on both the up and down strokes and requires about one-half the energy of other pumps of this type. Suction end containing strainer, is weighted and will not work out of bucket. Three nozzle discs give a range from a fine mist to a solid stream for spraying trees. \$4.50 each; \$4.65 postpaid within 3rd zone.

NOZZLE EXTENSION (Brass)—This 2-foot extension with angle neck makes it possible to reach the under side of the foliage more easily. 65c each.

BROWN'S SIREN SPRAYER



BROWN'S SIREN SPRAYER—The pump used in this outfit is the highly efficient No. 5 "Trombone" described above. The tank is heavy galvanized steel with a capacity of 5 gallons, and has a baffle plate to retain balance. The kidney shaped design conforms to the operator's back, and a finely perforated screen prevents clogging. A strongly constructed outfit which will give years of satisfactory service. \$10.00 complete; \$10.35 postpaid within 3rd zone.

TANK ONLY—With carrying strap, and as described above. All models of Brown's Trombone Pumps may be attached to this tank. \$6.00 each; \$6.25 postpaid within 3rd zone.

BROWN'S OPEN-HED SPRAYERS



A strong, compressed air sprayer with a double-acting pump lock which is easily and safely locked or unlocked. Tank opening is 5 inches in diameter and the inside can easily be wiped to lengthen life of sprayer. The tank is constructed to withstand a pressure of 100 pounds. The rubber double grip pump handle permits both hands being used for pumping.

Brass Tank

No. 3B OPEN-HED—Brass tank; 3 gallons capacity. \$8.00 each; \$8.25 postpaid within 3rd zone.

No. 4B OPEN-HED—Brass tank; 4 gallons capacity. \$9.50 each; \$9.75 postpaid within 3rd zone.

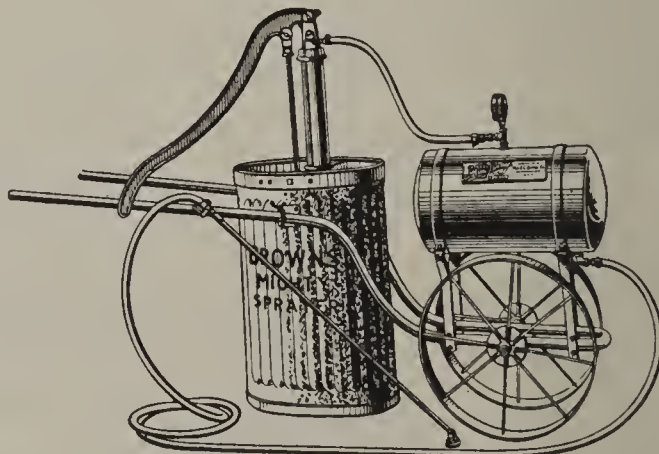
Galvanized Tank

No. 3D OPEN-HED—Non-corrosive galvanized tank of 3 gallons capacity. \$5.50 each; \$5.75 postpaid within 3rd zone.

No. 4D OPEN-HED—Non-corrosive galvanized tank of 4 gallons capacity. \$6.50 each; \$6.75 postpaid within 3rd zone.

No. 37D FUNNEL TOP Jr.—An inexpensive compressed air sprayer with a galvanized iron tank of 2½ gallons capacity. \$4.25 each; \$4.50 postpaid within 3rd zone.

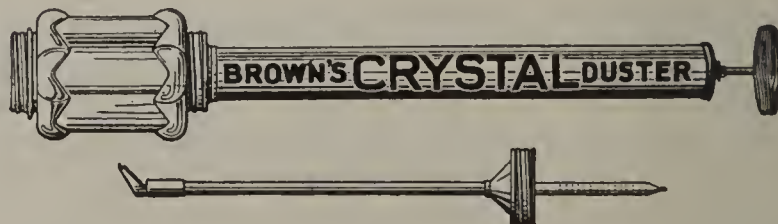
PORTABLE SPRAYER



Brown's Mighty Sprayer

BROWN'S "MIGHTY" WHEELBARROW SPRAYER—A new type wheelbarrow sprayer made with narrow, oval shaped bucket; excellent for use in the greenhouse or where the rows are set close together. Overall width of machine is only 15 inches. Built with two wheels for great stability. Bucket is of extra heavy corrugated steel, 15 gallons capacity. Heavy duty pump and paddle agitator to keep solution mixed. The 5-gallon air storage tank will withstand a working pressure of 250 pounds. An efficient sprayer for all general purpose spraying. Price \$37.50 F. O. B. San Francisco. Shipping weight (not assembled) 112 lbs.

DUSTERS



BROWN'S CRYSTAL DUSTER—Quart capacity. Continuous discharge insured by efficient agitator, breaks all lumps. \$1.25 each; \$1.40 postpaid within 3rd zone.

BROWN'S No. 1 DUSTER—Half pint capacity, 50c each; 60c postpaid.

FERTILIZERS

F. O. B. San Francisco. Prices subject to change without notice.
See parcel post rates on page 54 for postage on small quantities.

ADCO—The addition of Adco to the compost pile or to other vegetable refuse, grass clippings, leaves, etc.; at the rate of 2 pounds to each wheelbarrow load of refuse will produce a clean, odorless manure within 3 or 4 months. 7½-lb. pkg., \$1.15; 25 lbs., \$2.50; 150 lbs., \$11.00. (Pamphlet with directions how to use mailed on request.)

ALUMINUM SULPHATE—For Rhododendrons, Azaleas and other acid-loving plants. Use ½ lb. per square yard. Spread directly under the plant. 2 lbs. for 25c; 5 lbs., 50c; 10 lbs., 90c.

PURE GROUND BLOOD AND BONE MEAL—Fine pulverized, excellent for rose-culture. It decomposes very rapidly and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting. Use 1 teacupful for a rose bush or apply at the rate of 5 lbs. per 100 square feet. 2½ lbs., 25c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

BONE MEAL "Cala-Bone"—An ammoniated bone meal which is an excellent fertilizer for all garden purposes. Use 4 lbs. per 100 square feet. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

BLOOD MEAL—A very quick acting fertilizer and also extensively used for spraying on trees to keep off deer. 2½ lbs. for 25c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$4.75.

GAVIOTA GARDEN AND LAWN FERTILIZER—A scientifically prepared, complete fertilizer containing both chemical and organic ingredients. As some of the elements are available immediately and others are slower acting, a quick as well as lasting result is obtained. Use 3 to 5 lbs. per 100 square feet. 3 lbs., 30c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$4.00.

GYP SUM—For breaking up adobe and sticky soils. Does not affect soil acidity. Apply at the rate of 20 lbs. per 100 square feet. 10 lbs., 30c; 20 lbs., 50c; 100 lbs., \$1.25.

LEAF MOLD—Screened. 5 lbs., 25c; 10 lbs., 45c; Sack, \$1.25.

LIME, "Agricultural"—An organic shell flour for lightening and sweetening soils. Apply at the rate of 100 lbs. per 500 square feet. In 100 lb. sacks only, \$1.25.

McQUEEN'S INOCULATOR—A nitrogen-gathering bacteria for inoculating sweet peas, garden peas and beans. 15c (postpaid).

INSECT-O-GUN

(Two sizes)



Directions: Pour into the pint (or quart) container the amount of insecticide required for 3 (or 8) gallons of spray material; then fill the balance with water. Attach to your garden hose, and when the trigger valve is operated, the exact amount of concentrated solution is drawn from the jar by the rush of water through the nozzle, producing a thoroughly mixed, fine spray. No adjustments are necessary.

Pint Size: Delivers 3 gallons of spray from each filling. \$3.75.

Quart Size: Delivers 8 gallons of spray from each filling. This sprayer throws a heavier volume, making it adaptable for the spraying of tall shrubs and fruit trees. \$6.00. Postpaid within 3rd zone.

SPRAYER PARTS

A complete line of Brown Sprayer Parts is carried in our stock. Please describe carefully the part to be replaced, as well as the type of sprayer. Pump plunger leathers are 10c each; top gaskets 10c; each; and other prices in proportion.

NITRATE OF SODA—Stimulates the growth of the foliage, stems and roots of plants. Should be administered to growing plants only, at the rate of 1 lb. per 250 square feet, repeated at intervals of 2 or 3 weeks. 3 lbs., 25c; 10 lbs., 65c; 25 lbs., \$1.15; 50 lbs., \$2.00; 100 lbs., \$3.50. (Unmailable.)

PEAT—IMPORTED—For building up soils. For best results moisten slightly a day or two before using. 10 lbs., 60c; 20 lbs., \$1.00. Extra large compressed bale, \$3.50. (Price subject to change.) One bale will cover 300 square feet, 1 inch thick.

PEAT—Manured—Peat moss to which is added droppings from poultry, in the correct proportions to assist in the growth of plants without burning. Contains no weed seeds. Apply 10 lbs. to 100 square feet. Sack of about 30 lbs., \$1.00; 5 sacks, \$4.50.

PULVERIZED SHEEP MANURE, "GROZ-IT" BRAND—5 lbs., 25c; 10 lbs., 45c; 25 lbs., 65c; 50 lbs., \$1.00; 100-lb. sack, \$1.75; 3 sacks, \$5.00; 5 sacks, \$8.00; 10 sacks, \$15.00.

SULPHATE OF AMMONIA (Sometimes known as "Ford's Fertilizer")—A nitrogenous fertilizer similar in its effects to Nitrate of Soda but is slower in action and is retained by the soil. Apply at the rate of 1 lb. per 250 square feet. 3 lbs. for 25c; 10 lbs., 60c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

SUPERPHOSPHATE—Develops root growth and encourages the early formation of flowers, fruit and seeds. Apply at the rate of 2 or 3 lbs. per 250 square feet. 4 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50.

STIM-U-PLANT—A concentrated fertilizer in tablet form. Guaranteed analysis of 11% nitrogen, 12% phosphoric acid and 15% potash. 30 tablets, 25c (30c postpaid); 100 tablets, 75c (postpaid); 1000 tablets, \$3.50 (postpaid).

SULPHATE OF POTASH—Of benefit to plants in all stages of growth. Apply by working into the soil a little in advance of sowing or planting, at the rate of 1 lb. per 250 square feet. 2½ lbs., 25c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.

UREA (Floranid)—The best nitrogen fertilizer; contains 46% nitrogen. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.00.

VIGORO—A well balanced fertilizer which is quickly available. It contains all the elements necessary for plant growth. Use 4 lbs. per 100 square feet. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

RODENT DESTROYERS

TRAPS

CHUBBUCK DOUBLE CATCH GOPHER TRAP—A most effective box trap for large or small gophers, 50c each, 55c postpaid; \$4.80 per dozen, \$5.10 postpaid, within the 3rd zone.

GOPHER TRAP MACABEE—25c each; 30c postpaid.

"NEVER FAIL" GOPHER GUN—Positive destruction of gophers, moles and other burrowing pests. Each, \$1.75 postpaid.

BLANK CARTRIDGES FOR ABOVE—25c per dozen; box of 50, 85c. (Unmailable.)

"ACME" MOLE TRAP—\$2.00 each, postpaid.

ENGLISH MOLE TRAP—75c each, (85c postpaid).

"REDDICK" MOLE TRAP—\$1.50 each, (\$1.65 postpaid).

THE "GOPHER GETTER"—Receptacle with pipe extension and valve, to release Carbon Bisulphide into the burrow. Carbon Bisulphide is an effective material for destroying rodents, as the heavy gas reaches downward into the burrows. \$2.00 each, (postpaid, \$2.10).

CHEMICALS AND POISONS

STANDARD RODENT DESTROYER—Gas rockets for killing gophers, squirrels and other rodents. 1 dozen, 50c; (60c postpaid).

O. K. GOPHER POISON—Poisoned raisins and grain for destroying gophers, squirrels and other rodents. 6 oz. pkg., 35c; 1 lb. pkg., 60c.

CARBON BISULPHIDE—(Unmailable). 1 lb. cans, 35c; 10 lbs., \$2.00.

CYANOGLAS—For destroying gophers, moles and burrowing rodents. 1 lb., 75c; 5 lbs., \$2.50. (Unmailable.)

GARDEN TOOLS AND ACCESSORIES

Prices F. O. B. San Francisco except where stated, and subject to change without notice.

(Articles marked postpaid include delivery within the third zone)

LAWN MOWERS

(F. O. B. San Francisco)

BABY GRAND (Ball Bearing)—A light and easy running, high grade mower. Specially adapted for home gardens. 12-inch. \$7.50; 14-inch, \$7.75; 16-inch, \$8.00. (Parts kept in stock.)

PHILADELPHIA, STYLE L. B.—Ball-bearing, 8-inch wheel, 4 blades. 12-inch, \$6.50; 14-inch, \$6.75.

PHILADELPHIA, STYLE B. T. 5.—Ball-bearing, 10-inch wheel, 5 blades. 14-inch, \$7.75; 16-inch, \$8.00.

LAWN TRIMMERS—Ace, \$8.25 each.

GRASS CATCHERS—"NON-SLIP" BOTTOM—Adjustable to 12-inch to 16-inch mowers, \$1.25 each.

GRASS CATCHERS—"PLAIN" BOTTOM—Adjustable to 12-inch to 16-inch mowers, \$1.00 each.

SHEARS AND PRUNERS

NAPA SHEARS, No. 2—Reiser Pattern, 8½-inch. Per pair, \$4.00 postpaid.

NAPA SHEARS, No. 4—Reiser Pattern, 8½-inch. Per pair, \$3.00 postpaid.

NAPA SHEARS, No. 5—Leaf spring, 8½-inch. Per pair, \$2.50 postpaid.

NAPA SHEARS, No. 6—Volute spring, 8½-inch, polished. Per pair, \$2.00 postpaid.

NAPA SHEARS, No. 7—Volute spring, 8½-inch, japanned. Per pair, \$1.25 postpaid.

LADIES No. 23 HENCKLE—Nickel. Per pair, \$3.00 postpaid.

LADIES HENCKLE "WELKUT"—Nickel. Per pair, \$2.25 postpaid.

WISS HY-POWER SHEAR—Pistol grip handle, 6-inch, \$1.50; 8-inch, \$1.95 postpaid.

LADIES, FULL NICKEL—"Wiss." Per pair, \$1.95 postpaid.

GRASS SHEARS—"Wiss." Per pair, \$1.00, (\$1.10 postpaid).

HEDGE SHEARS—Hand-forged 6-inch blade, per pair, \$1.50; 8-inch blade, \$2.25; 9-inch blade, \$2.50; 10-inch blade, \$2.75, postage, 15c extra.

PRUNING SAWS—No. 13 Curved "Atkins Silver Steel." 14-inch, \$1.50 each, \$1.60 postpaid. No. 18 Curved with folding handle, "Atkins Silver Steel," 14-inch, \$1.50 each, \$1.60 postpaid.

TREE PRUNING SHEARS—Bernard "Lopwell." 26-inch handle, \$1.85 each, postpaid, \$2.00; 30-inch handle, \$2.00 each, postpaid, \$2.15.

TREE PRUNERS—6 feet, \$1.75 each; 8 feet, \$2.00 each; 10 feet, \$2.25 each; 12 feet, \$2.50 each.

WHEELBARROWS

F. O. B. San Francisco

"EASTERN" GARDEN WHEELBARROW—We guarantee these barrows to be better made and more neatly finished than any other garden barrow on the market. Made entirely of hardwood. Iron leg braces are thoroughly bolted, not held by screws, making these barrows "custom" barrows.

	Iron Wheel	Pneumatic Wheel
No. 2—Small ladies' or boys'.....	\$6.90	....
No. 3—Capacity, 3 cubic feet.....	7.10	\$17.10
No. 4—Capacity, 4 cubic feet.....	8.70	18.70
No. 5—Capacity, 5 cubic feet.....	9.00	19.00

GARDEN HOSE

(F. O. B. San Francisco)



CRACKPROOF—Heavily corrugated, extra heavy construction, pliable. 25- or 50-foot lengths only. ⅝ inch, 16c per foot; ¾ inch, 18c per foot.

CLOVER HOSE (Green)—Heavy single braid; finely corrugated. 25- or 50-foot lengths only. 12½c per foot.

ACCESSORIES AND NOZZLES

HOSE COUPLING, "CLINCH"—Brass, ½, ⅝ and ¾ inch, 25c per pair; 30c postpaid.

HOSE MENDER, "CLINCH"—For ½, ⅝ and ¾ inch hose, 10c each, \$1.00 per doz., (\$1.10 postpaid).

BOSTON HOSE NOZZLE—Adjustable coarse or fine spray, 65c each, (70c postpaid).

ROSS—Fan shaped; very fine spray, 75c each, (80c postpaid).

"SECURE" HOSE WASHERS—20c per dozen, postpaid.

"STA-IN" OVAL HOSE WASHERS—15c per dozen, postpaid.

WATERING POTS

WATERING POTS, WOTHERSPOON'S—Oval, galvanized iron with brass fittings and two brass roses, one fine and one coarse with each pot. 6-quart, \$6.00; 8-quart, \$6.50; 10-quart, \$7.00. (Add 25c for postage within 3rd zone.)

SCOLLAY SPRINKLER

RUBBER PLANT SPRINKLER, "SCOLLAY'S"—For indoor watering, straight neck. \$1.25 each; \$1.35 postpaid.

MISCELLANEOUS

SIEVES—Any size mesh. 18-inch diameter. \$1.50 each; \$1.65 postpaid within 3rd zone.

STAPLES—"Coppered" ¼x1¼ inches. For supporting vines. Lb., 35c; postage extra.

THERMOMETERS—Self registering, indicates maximum and minimum degrees of temperature. Boxwood back. \$3.00 postpaid.

TROWELS—25c and 50c each. Transplanting, narrow blade, 20c and 25c each, postage 10c extra.

Maynard Pattern—\$1.00 each, \$1.10 postpaid within 3rd zone.

WEEDERS—Dandelion, 50c each, postpaid.

BOOKS, HORTICULTURAL

CALIFORNIA FRUITS AND HOW TO GROW THEM—Complete on fruits, nuts and berries. By Prof. E. J. Wickson. \$4.00.

CALIFORNIA VEGETABLES IN GARDEN AND FIELD—By Prof. E. J. Wickson. \$2.50.

GARDENING IN CALIFORNIA—A valuable guide for the amateur—By Sydney B. Mitchell. \$2.50.

VEGETABLES IN THE CALIFORNIA GARDEN—By Ross H. Gast. \$1.10.

WILD FLOWERS OF CALIFORNIA—By Mary S. Parsons and Margaret W. Buck. \$3.50.

GARDEN REQUISITES

Prices F. O. B. San Francisco except where stated, and subject to change without notice

(Articles marked postpaid include delivery within 3rd zone)

FLOWER POTS, FERN POTS AND SEED PANS

The prices on these are all the same. Fern Pots are about three-quarters as deep as Flower Pots, and Seed Pans are one-third.

	Each	Per 10	Per 100
2½-inch.....	\$0.05	\$0.30	\$ 2.50
3-inch.....	.06	.40	3.00
4-inch.....	.07	.45	3.50
5-inch.....	.08	.60	5.00
6-inch.....	.10	.85	7.00
7-inch.....	.15	1.40	12.50
8-inch.....	.25	1.90	18.00
9-inch.....	.35	3.00	24.00
10-inch.....	.50	4.50	
12-inch.....	1.00	9.00	
14-inch.....	2.00		
16-inch.....	3.00		

SAUCERS FOR FLOWER POTS

	Each	Per 10	Per 100
4-inch.....	\$0.05	\$0.40	\$ 3.50
5-inch.....	.06	.50	4.25
6-inch.....	.08	.70	6.00
7-inch.....	.12	1.00	9.00
8-inch.....	.15	1.35	12.00
9-inch.....	.20	1.65	15.00
10-inch.....	.25	2.00	18.00
12-inch.....	.45	3.50	
14-inch.....	.70	6.00	

No charge for packing. Shipped at customer's risk.

PAPER FLOWER POTS

Neponset. Just the thing to start your plants in. Will not break in sending. Ship nested together.

	Per 10	Weight Per 100	Per 100	Per 1000
2½-inch....	\$0.10	1½ lbs.	\$0.75	\$6.00
3-inch.....	.15	2½ lbs.	1.00	8.00
4-inch.....	.20	4 lbs.	1.35	12.00
5-inch.....	.25	6 lbs.	2.00	17.00
6-inch.....	.30	8½ lbs.	2.50	22.50

(If wanted by mail, add postage according to weights given above)



TREE PROTECTORS

TREE PROTECTORS, "YUCCA"—A perfect protection for young trees against rabbits, grasshoppers, sunburn, frost, etc. The usual size is 7 inches wide and of various lengths.

	Weight Per 100	Per 50	Per 100	Per 1000
12-inch.....	8½ lbs.	\$0.75	\$1.30	\$12.00
16-inch.....	12 lbs.	.85	1.50	14.00
18-inch.....	13 lbs.	.95	1.65	15.50
24-inch.....	19 lbs.	1.10	2.00	19.00

(If wanted by mail, please add postage; weights as given above.)

MISCELLANEOUS

GRAFTING WAX—Snow's in bricks, black. ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 4 lbs., \$1.75; postage extra.

MOSS, SELECT SPHAGNUM—Lb., 30c; 10-lb. sack, \$2.50; postage extra. Special prices for larger lots.

MOSS, GREEN—Lb., 25c; 10-lb. sack, \$1.50; postage extra. Special prices for larger lots.

ORCHID PEAT—Per sack, \$4.00.

RAFFIA—Largely used by nurserymen and others and considered the best and cheapest material for tying. Natural color. 40c per lb.; \$3.50 per 10 lbs.; postage extra.

TREE SEAL—A grafting or pruning compound. Pint, 30c; postpaid, 40c; quart, 50c; postpaid, 65c; gallon, \$1.50; postpaid, \$1.80, within 3rd zone.

LABELS

(Postpaid within the third zone)

Shipping weight of wooden labels averages 4 lbs. per 1000.

	Painted Per 100	Unpainted Per 1000	Painted Per 1000
Wooden			
3½-inch iron wire	\$0.35	\$2.40	\$2.75
3½-inch copper wire .....	.40	2.65	3.00
4 -inch Pot Labels .....	.35	....	2.50
5 -inch Pot Labels .....	.40	....	3.00
6 -inch Pot Labels .....	.45	....	3.50
8 -inch Garden Labels .....	.85	....	7.00
10 -inch Garden Labels	1.10	....	9.00
12 -inch Garden Labels	1.45	....	12.50

COPPER LABELS—Wired for trees, 3½ inch; marking is done with a stylus, furnished free with each hundred. Per dozen, 25c; per 100, \$1.50, (\$1.60 postpaid).

SIMPLEX WEATHERPROOF PLANT LABELS—Celluloid, copper wired; writing is protected by a transparent cover, will last indefinitely if done with lead pencil.

No. 1, 3 x ½ in. 50c per doz.; \$3.00 per 100, postpaid.

No. 2, 4 x ¾ in. 75c per doz.; \$5.00 per 100, postpaid.

No. 3, 5 x 1 in. \$1.00 per doz.; \$7.00 per 100, postpaid.

SIMPLEX CELLULOID POT LABELS

No. 21, 4 x ¾ in. 35c per doz.; \$2.00 per 100, postpaid.

No. 22, 5 x ¾ in. 50c per doz.; \$3.00 per 100, postpaid.

SIMPLEX GREEN WEATHERPROOF ROCK GARDEN LABELS—These Labels are designed especially for use in Rock Gardens. The dark green color renders the Label itself inconspicuous among small or low growing plants, but the white lettering is very clear and easy to read; marking is done with a stylus, furnished free with each hundred.

No. 51, 4 x ¾ in. 50c per doz.; \$3.00 per 100, postpaid.

STAKES AND CANES

BAMBOO CANES—3 feet, dozen, 20c; 100, \$1.00; 4 feet, dozen, 25c; 100, \$1.50; 5 feet, dozen, 30c; 100, \$1.85; 6 feet, dozen, 40c; 100, \$2.25; 7 feet, dozen, 50c; 100, \$3.00; 8 feet, dozen, 60c; 100, \$3.50.

BAMBOO CANES—Green stained, for pot plants, 2 feet, 60c per 100; \$4.50 per 1000. Green stained, 3 feet, 75c per 100; \$5.50 per 1000. Green stained, 4 feet, \$1.00 per 100. Green stained, 5 feet, \$1.35 per 100.

GARDEN STAKES—Square, painted green; made of Redwood and impossible to rot. 3 feet, 75c dozen; 4 feet, \$1.00 dozen; 5 feet, \$1.25 dozen; 6 feet, 1½-inch square, \$1.50 dozen; 6 feet, 1-inch square, 20c each, \$2.00 dozen; 7 feet, 1¾-inch square, 30c each, \$3.00 dozen; 8 feet, 1½-inch square, 45c each, \$4.50 dozen.

GARDEN GLOVES



All-Leather — DIRT-PROOF
SOFT AS KID — Extra Pliable

Ideal gloves for men and women, made from select imported leather processed to render it amazingly soft and pliable, as well as durable. Permit almost barehand freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Economical—outwear 6 pairs of fabric gloves and are useful the year round for garden, housework, painting, yard, furnace, garage, etc.

WASHABLE—Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, per pair, 75c postpaid.

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Shipping Charges on Nursery Stock to be paid by the Customer except where charges are marked "Prepaid."

HALLAWELL SEED CO. Date.....193.....

AMOUNT ENCLOSED

Freight or Express Office
(Only if different from P. O.)

NUMBER

NURSERY STOCK

PRICE

Amount carried forward,

California customers please add 3% sales tax

NURSERY STOCK (Continued)[illegible]

SPECIAL NOTICE: We shall esteem it a great favor if you will give us below, the NAMES and ADDRESSES of your friends that are interested in gardening. We wish to send them our CATALOGUE.

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Begonia, Fruiting	83	Geum	78	Nepeta	80	Sunflower, Perennial	78
Begonia, Fruiting	83	Gloxinia	89	Nerium	67	Sun Rose	78
Begonia, Fruiting	83	Golden Bell	70	New Zealand Flax	67	Sweet William	82
Begonia, Fruiting	83	Golden Chain	70			Sycamore	71
Begonia, Fruiting	83	Golden Glow	81	Oenothera	80	Syringa	70
Begonia, Fruiting	83	Golden Rod	82			Tamarix	71
Begonia, Fruiting	83	Gooseberry, Fruiting	85	Oleander	67	Taxus	62
Begonia, Fruiting	83	Grape	85	Oleaster	65	Tea Shrub	67
Begonia, Fruiting	83	Grape Fruit	84	Oranges	84	Thalictrum	82
Begonia, Fruiting	83	Grevillea	66	Oriental Plane	71	Thuya	62
Begonia, Fruiting	83			Osmanthus	67	Thyme	82
Begonia, Fruiting	83	Halesia	70			Tigridia	89
Begonia, Fruiting	83	Hardenbergia	72	Pampas Grass	68	Toyon	68
Begonia, Fruiting	83	Hawthorn	70	Pansy	80	Trachelium	82
Begonia, Fruiting	83	Heather	65	Passion Vine	73	Transvaal Daisy	78
Begonia, Fruiting	83	Helenium	78	Peach, Flowering	71	Tree Dahlia	77
Begonia, Fruiting	83	Helianthemum	78	Peach, Fruiting	84	Tritoma	83
Begonia, Fruiting	83	Helianthus	78	Pear	84	Trollius	83
Begonia, Fruiting	83	Heliotrope	66	Pearl Bush	70	Trumpet Vine	72
Begonia, Fruiting	83	Hemerocallis	79	Pentstemon	80	Tsuga	62
Begonia, Fruiting	83	Hemlock	62	Pepper	68		
Begonia, Fruiting	83	Herb Plants	54	Persimmon	84	Valerian	83
Begonia, Fruiting	83	Heuchera	79	Philadelphus	71, 73	Verbena	83
Begonia, Fruiting	83	High Bush Cranberry	69	Phlox	80	Veronica	68
Begonia, Fruiting	83	Holly	66	Phorinum	67	Viburnum	67, 69, 71
Begonia, Fruiting	83	Hollyhock	79	Photinia	68	Viola	83
Begonia, Fruiting	83	Honeysuckle	73	Physostegia	80	Violets	83
Begonia, Fruiting	83	Hops	73	Picea	62	Virginia Creeper	72
Begonia, Fruiting	83	Horse Chestnut	70	Pieris	63		
Begonia, Fruiting	83	Hydrangea	70	Pimelea	68	Walnut	84
Begonia, Fruiting	83	Hypericum	66, 79	Pine	62	Washington Thorn	70
Begonia, Fruiting	83			Pittosporum	68	Weigelia	71
Begonia, Fruiting	83	Ice Plant	80	Pinks, Border	77	Willow	71
Begonia, Fruiting	83	Impatiens	79	Pleroma	68	Wisteria	73
Begonia, Fruiting	83	Ipomoea	73	Plum, Flowering	71	Woodwardia	78
Begonia, Fruiting	83	Irish Moss	75	Plum, Fruiting	84		
Begonia, Fruiting	83	Ivy, English	73	Plumbago	73, 80	Yew	62
Begonia, Fruiting	83			Polygala	68	Zauschneria	83

SUPERB COLLECTION OF 15 Pkts. Spencer Sweet Peas \$1.00

AMETHYST—Clear amethyst-blue.

GEORGE SHAWYER—Brilliant orange-pink.

MAGNET—Salmon-pink, cream ground.

MRS. A. SEARLES—Orange-cerise merging into soft red.

OLYMPIA—Deep rich purple.

PINKIE—Giant clear deep pink.

POWERSCOURT—Giant lavender.

RED BOY—Rich deep crimson.

R. F. FELTON—Pinkish lavender.

ROSIE—Giant rose-pink.

SEXTET QUEEN—Pure white.

SMILES—Glistening salmon shaded shrimp-pink.

WARRIOR—Dark maroon.

WELCOME—Vivid deep scarlet, sunproof.

YOUTH—Pure white margined with pink.

SPECIAL COLLECTION OF 7 Pkts. Spencer Sweet Peas 50c

AMETHYST—Clear amethyst-blue.

MAGNET—Salmon-pink, cream ground.

PINKIE—Giant clear deep pink.

POWERSCOURT—Giant lavender.

RED BOY—Rich deep crimson.

SEXTET QUEEN—Pure white.

SMILES—Glistening salmon shaded shrimp-pink.

Special Gladiolus Collection

BETTY NUTHALL—Orange-pink with soft yellow throat.

COMMANDER KOEHL—Brilliant deep scarlet.

CORYPHEE—Clear wax-like pink.

DR. F. E. BENNETT—Brilliant flame-scarlet.

EMIL AUBRUN—Coppery bronze with cherry-red blotch.

GAY HUSSAR—Orange-red shading to strawberry-pink.

GOLDEN DREAM—Deep golden yellow.

GRAND SLAM—Enormous salmon-orange.

MAMMOTH WHITE—Immense pure white.

MARMORA—Lavender gray with purplish blotch.

MINUET—Clear lavender.

MOTHER MACHREE—Lavender-gray with edges overlaid salmon-pink.

MRS. FRANK PENDLETON—Pink with a geranium-ous blood red blotch in the throat.

MRS. LEON DOUGLASS—Coral-rose striped with scarlet.

MRS. VAN KONYNENBURG—Lavender-blue.

PFITZER'S TRIUMPH—Enormous flaming scarlet with a cherry blotch.

PICARDY—Delicate apricot-pink. Extremely large.

PRIMROSE PRINCESS—Large primrose-yellow.

PRINCE OF WALES—Light salmon.

SALBACH'S ORCHID—Lavender-pink, large.

SALBACH'S PINK—Large geranium-pink with orange mine tongue.

VEILCHENBLAU—Clear deep violet-blue.

ONE EACH OF THE ABOVE 22 VARIETIES FOR \$2.00